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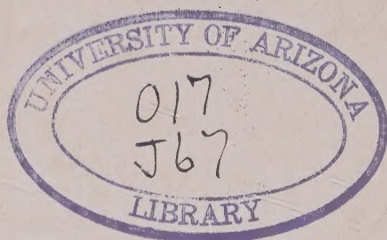
THE  
JOHN CRERAR LIBRARY

A LIST OF  
BOOKS IN THE READING ROOM

JANUARY, 1900



CHICAGO  
PRINTED BY ORDER OF THE BOARD OF DIRECTORS  
1900





## PREFACE.

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By the will of John Crerar, for many years an honored citizen of Chicago, who died October 19, 1889, the residue of his estate, after the payment of numerous bequests, was given for the creation and endowment of a free public library, to be called THE JOHN CRERAR LIBRARY, and to be located in the city of Chicago. The Library was incorporated under the laws of Illinois, October 12, 1894, and was duly organized January 12, 1895.

Having carefully considered the library facilities and needs of the city, the Directors decided to establish a reference library of scientific literature. This decision seemed to them to accord with the business activities by which the greater part of Mr. Crerar's fortune had been accumulated, to exclude, naturally, certain questionable classes of books which his will prohibits, and to favor the supreme aim and object which it proposes.

A series of conferences with the Chicago Public Library and The Newberry Library was instituted, and an elastic scheme was jointly adopted for dividing among them the available world of books. In accordance with that scheme, the special field of The John Crerar Library is that of the natural, the physical, and the social sciences, with their applications. In the development of the Library, the Directors do not propose to make a greatly disproportionate outlay in any one subject within this field. They do propose, however, to make it exceptionally rich in scientific periodicals and publications of learned societies.

The total endowment, which should be sufficient ultimately to allow the making of a good collection within the limits adopted, will not be encroached upon for any purpose. Therefore, while a building fund is accumulating, and the present temporary accommodations remain adequate, the Library will occupy the entire sixth floor and part of the fifth floor of the Marshall Field & Company Building, 87 Wabash Avenue.

A complete catalogue of the Library is printed on cards. Copies of these, arranged by authors and subjects, are placed in the Reading Room for use by the public, and a copy of each title may be found also in the Chicago Public Library, the Newberry Library, and in the libraries of the Armour Institute of Technology, the Field Columbian Museum, and the University of Chicago, in the city, the Northwestern University at Evanston, and the University of Illinois at Champaign. The multiplication of copies in card form, however, is limited by the cost of material and distribution, so that provision has been made, by



electrotyping each title, for the publication of bulletins, as they may be required.

The list of books in the Reading Room has been chosen as the subject of the first of these bulletins. This collection contains nearly three thousand volumes, and is used by the public without any formality. It is intended to include, besides general works of reference, the best books, both advanced and popular, on each important subject within the scope of the Library, and a selection of others either especially interesting in their treatment of the subject or much in demand. Works in languages other than English are included whenever necessary for an adequate presentation of the subject, and the collection undergoes constant revision.

While the Library in making the selection has had the benefit of suggestions from many persons able to speak with authority, it is felt that the collection can be improved greatly, though it is hoped more by addition than by subtraction, and this bulletin has been prepared at the present time mainly as a means of securing valuable criticism and aid, and not as a bibliographical contribution of intrinsic value. As it is also an experiment in the use of electrotyped titles, peculiarities of typographical arrangement have been determined largely by the previous use of the matter on printed catalogue cards, and inconsistencies in the form of entry are due to the fact that it has not always seemed necessary to reprint the cards when a change in method has been made. If the Library can secure expert advice in improving the collection, and can issue small editions at comparatively frequent intervals and at reasonable cost, it is hoped that future editions of this list may prove to be of value to others than readers in the Library.

CHICAGO, January, 1900.



# CONTENTS.

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SPECIAL CARD INDEXES.....	7
GENERAL WORKS .....	9
BIBLIOGRAPHY .....	9
LIBRARY ECONOMY.....	18
ENCYCLOPEDIAS .....	20
GENERAL ESSAYS.....	25
JOURNALISM .....	25
SCIENTIFIC SOCIETIES.....	26
BOOK RARITIES .....	26
PHILOSOPHY AND RELIGION.....	27
SOCIAL SCIENCES .....	41
GENERAL WORKS.....	41
HISTORY OF SOCIAL SCIENCES AND CIVILIZATION.....	44
STATISTICS.....	49
POLITICAL SCIENCE.....	50
POLITICAL ECONOMY .....	54
LAW .....	71
ADMINISTRATION (MUNICIPAL AND OTHER).....	75
MILITARY AND NAVAL SCIENCE .....	78
CHARITIES AND CORRECTIONS.....	79
EDUCATION .....	81
COMMERCE AND COMMUNICATION.....	89
MANNERS AND CUSTOMS.....	90
LANGUAGE.....	92
PHYSICAL SCIENCES .....	102
GENERAL WORKS.....	102
MATHEMATICS .....	103
ASTRONOMY .....	107
PHYSICS .....	111
CHEMISTRY .....	120
MINERALOGY.....	126
NATURAL SCIENCES.....	128
GEOLOGY AND PHYSICAL GEOGRAPHY.....	128
PALEONTOLOGY .....	133
GENERAL WORKS .....	134
ANTHROPOLOGY AND ETHNOLOGY .....	136
EVOLUTION .....	139
MICROSCOPY .....	142
BOTANY.....	143
ZOOLOGY .....	149
APPLIED SCIENCES.....	160
GENERAL WORKS .....	160
MEDICINE .....	162



ENGINEERING .....	167
AGRICULTURE .....	175
DOMESTIC ECONOMY .....	178
COMMERCE .....	180
PRINTING AND PUBLISHING .....	180
TRANSPORTATION .....	182
CHEMICAL TECHNOLOGY .....	182
MANUFACTURES .....	187
TRADES .....	189
BUILDING .....	191
 FINE ARTS .....	 194
GENERAL WORKS .....	194
LANDSCAPE GARDENING .....	197
ARCHITECTURE .....	198
DECORATIVE ARTS .....	199
PAINTING AND ENGRAVING .....	203
PHOTOGRAPHY .....	203
MUSIC .....	205
AMUSEMENTS .....	206
LITERATURE .....	207
 HISTORY AND GEOGRAPHY .....	 209
GENERAL WORKS .....	209
ATLASES AND MAPS .....	213
ANTIQUITIES .....	216
BIOGRAPHY .....	216
GENEALOGY AND HERALDRY .....	219
ANCIENT HISTORY .....	220
EUROPE .....	220
ASIA .....	223
AFRICA .....	224
AMERICA .....	225
AUSTRALASIA, OCEANICA .....	232
ARCTIC REGIONS .....	233



## SPECIAL CARD INDEXES

**Bibliographia zoologica.**

- <sup>18214</sup> Bibliographia zoologica. Continued from no. 1. 1896. Zurich 1896-.

Compiled under the direction of H. H. Field, of the Concilium bibliographicum, Zurich.

Card index; filed in Reading Room.

Also published in book form as supplement to Zoologischer Anzeiger; has shelf number **016.59 B47**

**Clark, Josephine Adelaide.**

- <sup>18213</sup> Card-index of genera, species, and varieties of plants. Continued from no. 1. 1885. Washington 1885-.

Filed in Reading Room.

**Congrès international de bibliographie des sciences**

- <sup>19035</sup> **mathématiques.** *Commission permanente du répertoire.*

Répertoire bibliographique des sciences mathématiques. Continued from no. 1. Paris: Gauthiers-Villars, 1894-.

Card-index; filed in Reading Room.

**Congrès international de bibliographie des sciences** **Lo25.4 C76**

- <sup>21047</sup> **mathématiques.** *Commission permanente du répertoire.*

Index du Répertoire bibliographique des sciences mathématiques, publié par la Commission permanente du répertoire. Deuxième édition. xiv,93,[2] p. Q. Paris: Gauthier-Villars & fils, 1898.

**Fourtier, [H.], Bourgeois, —, & Bucquet, —.**

- <sup>18034</sup> Bibliothèque photographique. Le formulaire classer du Photo-club de Paris. Formules, notes, renseignements pratiques, recueillis et annotés. Continued from no. 1. 1892. Paris: Gauthier-Villars & fils, 1892-.

Card-index; filed in Reading Room.

**Torrey Botanical Club.**

- <sup>18212</sup> Bibliography of American Botany. Published monthly. Vol. 1-6. 1894-1899. Cambridge, Mass., 1894-1899.

No more published.

Reprinted from *Bulletin of the Torrey Botanical Club*, vol. 21-26.

Card index; filed in Reading Room.



**U. S. A. *Department of Agriculture.***

<sup>14331</sup> [Card index to publications.] Continued from no. 1. [Washington 1899-.]

Filed in Reading Room.

**U. S. A. *Department of Agriculture.***

<sup>18210</sup>

*Office of Experiment Stations.*

Subject index of literature of agricultural experiment stations and kindred institutions. Continued from no. 1. 1888. Washington 1888-.

Card index; filed in Reading Room.

**U. S. A. *Department of Agriculture.***

016.63 U58

<sup>18211</sup>

*Office of Experiment Stations.*

Key to subject index of literature of agricultural experiment stations and kindred institutions. . . . Revised June 25, 1897. [4] p. O. (Circular no. 23.) [Washington 1897.]



## 000 GENERAL WORKS

## 010 BIBLIOGRAPHY

## 010-016 GENERAL BIBLIOGRAPHIES

**Wheeler, William Adolphus.****010.3 W56**

<sup>13272</sup> Who wrote it? An index to the authorship of the more noted works in ancient and modern literature. Edited by Charles G. Wheeler. [2], 174 p. sq. D. Boston: Lee & Shepard, 1882.

**Allibone, Samuel Austin.****Lo15.42 A436**

<sup>451</sup> A critical dictionary of English literature, and British and American authors, living and deceased, from the earliest accounts to the latter half of the nineteenth century. . . . 3 vol. Q. Philadelphia: J. B. Lippincott Co., 1891.

**Kirk, John Foster.****Lo15.42 A436I**

<sup>452</sup> A supplement to Allibone's Critical dictionary of English literature and British and American authors. . . . 2 vol. Q. Philadelphia: J. B. Lippincott Co., 1892.

**Georg, Carl, & Ost, Leopold.****Lo15.43 G29**

<sup>22-9</sup> Schlagwort-Katalog. Verzeichnis der Bücher und Landkarten in sachlicher Anordnung. . . . 2 vol. Q. Hannover: [vol. 1], F. Cruse; vol. 2, L. Lemmermann, 1889-1898.

Contents: [vol. 1], 1883-1887; vol. 2, 1888-1892.

Vol. 2 published under the title: Karl Georgs Schlagwort-Katalog. . . . Bearbeitet von Karl Georg.

**Sonnenschein, [William] Swan.****Lo16 S699**

<sup>449</sup> The best books. A reader's guide to the choice of the best available books (about 50,000) in every department of science, art and literature; . . . . A contribution towards systematic bibliography. . . . Second edition. [18], cix, 1009 p. Q. London: Swan Sonnenschein & Co., 1894.

**Sonnenschein, [William] Swan.****Lo16 S699I**

<sup>450</sup> A reader's guide to contemporary literature. Being the first supplement to The best books. . . . [16], lxxiv, 775 p. Q. London: Swan Sonnenschein & Co., 1895.



**Fletcher, William Isaac.****Lo16.04 F63**

- <sup>178</sup> The "A. L. A." index. An index to general literature: biographical, historical, and literary essays and sketches, reports and publications of boards and societies dealing with education, health, labor, charities and corrections, etc., etc. . . . Issued by the publishing section of the American Library Association. v, [2], 329 p. Q. Boston: Houghton, Mifflin & Co., 1893.

**016.05-016.06 BIBLIOGRAPHIES OF PERIODICALS AND  
PERIODICAL LITERATURE**

**Cleveland. Public Library.****Lo16.05 C59**

- <sup>7301</sup> Cumulative index to a selected list of periodicals. Authors, subjects, titles, reviews, portraits. Continued from vol. 1. 1896. Q. Cleveland 1897-.

**Annual literary index.****Lo16.05 A615**

- <sup>927</sup> The Annual literary index, including periodicals, American and English; essays, book-chapters, etc.; with author-index, bibliographies, necrology, and index to dates of principal events. Edited with the coöperation of members of the American Library Association and of "The Library journal" staff. Continued from vol. 1. 1892. Q. New York: Publishers' Weekly, 1893-.

Edited by W. I. Fletcher and R. R. Bowker.

**Italy. Camera dei Deputati. Biblioteca.****Lo16.05 I88**

- <sup>2312</sup> Catalogo metodico degli scritti contenuti nelle pubblicazioni periodiche italiane e straniere. Parte prima. Scritti biografici e critici. xvii, 517, [1] p. Q. Roma 1885.  
 ——— Primo supplemento. xiv, 173 p. Q. Roma 1889.  
 ——— Secondo supplemento. xxiv, 229 p. Q. Roma 1890.  
 ——— Terzo supplemento. xxix, [3], 338 p. Q. Roma 1895.

**Poole's Index.****Lo16.05 P781**

- <sup>2085</sup> Poole's Index to periodical literature. By William Frederick Poole, with the assistance as associate editor of William I. Fletcher, and the coöperation of the American Library Association and the Library Association of the United Kingdom. Revised edition. 1802-1881. Vol. 1 in 2 parts, paged continuously; part 1: [2], xxvii, 1-700 p.; part 2: [2], 701-1442 p. Q. Boston: Houghton, Mifflin & Co., 1893, c. 1882.



**Poole's Index.****Lo16.05 P782**

<sup>2096</sup> Poole's Index to periodical literature. The first supplement from January 1, 1882, to January 1, 1887, by William Frederick Poole and William I. Fletcher, with the coöperation of the American Library Association. xiii, 483 p. Q. Boston: Houghton, Mifflin & Co., 1893, c. 1888.

Lettered on the back: Vol. II.

**Poole's Index.****Lo16.05 P783**

<sup>2097</sup> Poole's Index to periodical literature. The second supplement, from January 1, 1887, to January 1, 1892, by William I. Fletcher, with the coöperation of the American Library Association. xiii, 476 p. Q. Boston: Houghton, Mifflin & Co., 1895.

Lettered on the back: Vol. III.

**✓ Poole's index.****Lo16.05 P784**

<sup>2022</sup> Poole's index to periodical literature. Third supplement. From January 1, 1892, to December 31, 1896. By William I. Fletcher and Franklin O. Poole. With the coöperation of the American Library Association. xix, 637 p. 1 por. Q. Boston: Houghton, Mifflin & Co., 1897.

**Review of reviews.****Lo16.05 R32**

<sup>3431</sup> Index to the periodicals . . . . Continued from 1890. sq. Q. London [1891-].

The issue for 1890 published under the title: The Annual index of periodicals and photographs; 1891-1893: Index to the periodical literature of the world.

**Ayer & Son, N. W., publishers.****Lo16.051 A976**

<sup>7058</sup> N. W. Ayer & Son's American newspaper annual. Containing a catalogue of American newspapers, . . . . A list of the newspapers of the United States and Canada which insert advertisements, . . . . Separate lists of religious and agricultural publications, . . . . Continued from 1897. Q. Philadelphia 1897-.

**Bibliographie.****Lo16.053 B47**

<sup>12372</sup> Bibliographie der deutschen Zeitschriften-Litteratur. Alphabetisches nach Schlagworten sachlich geordnetes Verzeichnis von . . . Aufsätzen, die . . . in . . . Zeitschriften deutscher Zunge erscheinen sind, . . . . Continued from vol. I. 1896. sq. Q. Leipzig 1897-.

Edited by F. Dietrich.

**Répertoire.****Lo16.054 R29**

<sup>14744</sup> Répertoire bibliographique des principales revues françaises . . . . Continued from [no. 1]. 1897. Q. Paris 1898-.

Edited by D. Jordell.

**Smithsonian Institution.****016.061 S664**

- <sup>3269</sup> Publications of the Smithsonian Institution. May, 1896. I. Classified list. II. Numerical list. III. Tables. IV. Index. By William J. Rhees. iv,86 p. O. City of Washington 1896.

**Smithsonian Institution.****016.061 S6641**

- <sup>3016</sup> Catalogue of publications of the Smithsonian Institution, (1846–1882,) with an alphabetical index of articles in the Smithsonian contributions to knowledge, miscellaneous collections, annual reports, bulletins and proceedings of the U. S. National Museum, and report of the Bureau of Ethnology. By William J. Rhees. xiv,328 p. O. Washington 1882.

**016.1-016.9 BIBLIOGRAPHIES OF SPECIAL SUBJECTS****Bowker, Richard Rogers, & Iles, George, *editors*.****016.3 B67**

- <sup>242</sup> The reader's guide in economic, social and political science; being a classified bibliography, ... with ... courses of reading, college courses, etc. [2],169 p. D. (Economic tracts, no. 27.) New York: G. P. Putnam's Sons, 1891.

**La Fontaine, H., & Otlet, P.****016.3 L11**

- <sup>5859</sup> ... Bibliographia sociologica. Sociologie et droit. Sozialwissenschaft und Recht. Sociology and law. Sommaire méthodique des traités et des revues, dressé conformément à la classification décimale. xiii,[34],170 p. O. Bruxelles: Office internationale de bibliographie, [189-].

**Mühlbrecht, Otto.****016.3 M89**

- <sup>1337</sup> Wegweiser durch die neuere Litteratur der Rechts- und Staatswissenschaften. ... Zweite umgearbeitete und vermehrte Auflage. [2],xxviii,748 p. O. Berlin: Puttkammer & Mühlbrecht, 1893.

**Stammhammer, Josef.****L016.3 S783**

- <sup>7309</sup> Bibliographie der Social-Politik. iv,648 p. Q. Jena: G. Fischer, 1896.

**Marot, Helen.****016.33 M34**

- <sup>18526</sup> A handbook of labor literature. Being a classified and annotated list of the more important books and pamphlets in the English language. vi,96 p. D. Philadelphia: Free Library of Economics & Political Science, 1899.

**Rand, Benjamin, *Ph. D.*****016.33 R15**

- <sup>127</sup> A bibliography of economics. [2],88 p. O. Cambridge: J. Wilson & Son, 1895.



**Stammhammer, Josef.**

**Lo16.335 S783**

<sup>1306</sup> Bibliographie des Socialismus und Communismus. iv,303 p. Q.  
Jena: G. Fischer, 1893.

**Gross, Charles.**

**016.352 G91**

<sup>14097</sup> A bibliography of British municipal history including guilds and parliamentary representation. xxxiv,461 p. O. [HARVARD UNIVERSITY. Harvard historical studies, vol. 5.] New York: Longmans, Green, & Co., 1897.

**Hasse, Adelaide Rosalia.**

**016.353 H271**

<sup>18598</sup> Reports of explorations printed in the documents of the United States government. (A contribution toward a bibliography.) 90 p. O. (U. S. A. GOVERNMENT PRINTING OFFICE. SUPERINTENDENT OF DOCUMENTS.) Washington 1899.

**Hickcox, John Howard.**

**016.353 H52**

<sup>15884</sup> United States government publications. A monthly catalogue. Vol. 1-10. 1885-1894. O. Washington, D. C., 1885-1894.  
No more published.

**Poore, Benjamin Perley.**

**Lo16.353 P79**

<sup>12587</sup> A descriptive catalogue of the government publications of the United States, September 5, 1774-March 4, 1881. Compiled by order of Congress. iv,1392 p. sq.Q. Washington 1885.

**U. S. A. Government Printing Office.**

**016.353 U58**

<sup>3022</sup> *Superintendent of Documents.*

Checklist of public documents, containing debates and proceedings of Congress, from the first to the fifty-third Congress, together with miscellaneous lists of documents, and historical and bibliographical notes. Second edition, revised and enlarged. Issued by F. A. Crandall. 222 p. O. Washington 1895.

**U. S. A. Government Printing Office.**

**Lo16.353 U581**

<sup>1973</sup> *Superintendent of Documents.*

Catalogue of the public documents of ... Congress and of all departments of the Government of the United States ... (Being the "Comprehensive Index" provided for by the act approved January 12, 1895.) Prepared under the supervision of the Superintendent of Documents, Government Printing Office. Continued from the Fifty-third Congress, March 4, 1893. Q. Washington 1896.

**U. S. A. Department of the Interior.**

**Lo16.353 U582**

<sup>1149</sup> *Superintendent of Documents.*

Comprehensive index of the publications of the Government, 1889-1893. By John G. Ames. vi,[2],480 p. sq.Q. Washington 1894.

**U. S. A. Government Printing Office.****016.353 U583**

5839

*Superintendent of Documents.*

... Index to the subjects of the documents and reports and to the committees, senators, and representatives presenting them. (Being the "consolidated index" provided for by the act of January 12, 1895.) Compiled under the direction of the Superintendent of Documents. Continued from [no. 1]. 54th Congress, 1st session, Dec. 2, 1895. O. Washington 1897.

**U. S. A. Government Printing Office.****016.353 U584**

12013

*Superintendent of Documents.*

Catalogue of United States public documents. Issued monthly by the Superintendent of Documents, Government Printing Office. Continued from [no. 1]. January, 1895. O. Washington 1895-.

No. 1-3 published under the title: Catalogue of publications issued by the Government of the United States . . . .

**U. S. A. Department of the Interior. Bureau of Education.****016.353 U587**

6795

Publications of the U. S. Bureau of Education, from 1867 to 1890, with subject-index. . . . [2], 1453-1551 p. O. Washington 1891.

Reprint of chapter 30 of the *Report of the Commissioner of Education for 1888-89*.

**Warman, Philip Creveling.****016.353 W23**

19033

Bibliography and index of the publications of the United States geological survey, with the laws governing their printing and distribution. 495 p. O. [U. S. A. DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY.] Washington 1893.

**Hall, Granville Stanley, & Mansfield, John M.****016.37 H14**

3235

Hints toward a select and descriptive bibliography of education. Arranged by topics, and indexed by authors. xv, 309 p. D. [Heath's pedagogical library.] Boston: D. C. Heath & Co., 1893.

**Monroe, Will Seymour.****016.37 M75**

8516

Bibliography of education. xxiv, 202 p. D. (International education series, vol. 42.) New York: D. Appleton & Co., 1897.

**American Manual Training Association.****016.371 A512**

16379

A bibliography of manual training. Prepared by the American Manual Training Association. 24 p. O. New York 1898.



**Revue.****016.51 R32**

- <sup>6424</sup> Revue semestrielle des publications mathématiques, rédigée sous les auspices de la Société Mathématique d'Amsterdam. . . . Continued from vol. 1. [1892.] O. Amsterdam 1893-.

Contains a check-list of periodicals indexed, in which those taken by Dutch libraries are indicated.

**Tuckerman, Alfred.****016.536 T79**

- <sup>3059</sup> Index to the literature of thermodynamics. v,239 p. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections, vol. 34.) Washington 1890.

**Osterberg, Max.****016.537 085**

- <sup>10952</sup> Synopsis of current electrical literature. Compiled from . . . technical journals and magazines during 1895. . . . xiii,[2],143 p. Q. New York: D. Van Nostrand Co., 1896.

**Ronalds, Sir Francis.****016.537 R66**

- <sup>2051</sup> Catalogue of books and papers relating to electricity, magnetism, the electric telegraph, &c., including the Ronalds library. With a biographical memoir. Edited by Alfred J. Frost. (Published by the Society of Telegraph Engineers.) xxvii,564 p. O. London: E. & F. N. Spon, 1880.

**Bolton, Henry Carrington.****016.54 B63**

- <sup>1975</sup> A select bibliography of chemistry. 1492-1892. xiii,1212 p. O. (SMITHSONIAN INSTITUTION. Smithsonian miscellaneous collections, 850.) City of Washington 1893.

**Geological record.****016.55 G29**

- <sup>17946</sup> The Geological record . . . . A list of publications on geology, mineralogy, and palæontology . . . . Vol. 1-[8]. 1874-1884. O. London 1875-1889.

Vol. 1-4 edited by William Whitaker, and 5-6, by W. Whitaker and W. H. Dalton, were published annually with sub-title: An account of works on geology, mineralogy, and palæontology, . . . . [Vol. 7-8], edited by William Topley and Charles Davies Sherborn, cover, in one arrangement, the five-year period from 1880-1884.

Vol. 2-6 contain a cumulative supplement to the previous volumes.

No more published.

**Ripley, William Zebina.****016.572 R48**

- <sup>18757</sup> A selected bibliography of the anthropology and ethnology of Europe. x,160 p. O. Boston: published by the Trustees of the Public Library, 1899.

Including the works on these subjects in the Boston Public Library.

Also published as [vol. 2] of *The races of Europe*, by the same author, which has shelf number **572.94 P900**

**Bibliographia zoologica.****016.59 B47**

- <sup>14726</sup> Bibliographia zoologica (diario "Zoologischer Anzeiger" adnexa) adjuvante concilio bibliographico quod Turici praeside H. H. Field institutum est. . . . Continued from vol. 1. [1896.] O. Lipsiae 1896-.

Published as supplement to Zoologischer Anzeiger, vol. 19-, and continuing the "Litteratur" in previous vol. of this, which has shelf number **590.53 8**.

Edited by J. Victor Carus.

**Carus, Julius Victor, & Engelmann, Wilhelm.****016.59 C25**

- <sup>2214</sup> Bibliotheca zoologica. Verzeichniss der Schriften über Zoologie, welche in den periodischen Werken enthalten und vom Jahre 1846-1860 selbständig erschienen sind. Mit Einschluss der allgemein-naturgeschichtlichen, periodischen and palaeontologischen Schriften. 2 vol. O. Leipzig: W. Engelmann, 1861.

**Taschenberg, Otto.****016.59 T18**

- <sup>1349</sup> Bibliotheca zoologica II. Verzeichniss der Schriften über Zoologie, welche in den periodischen Werken enthalten und vom Jahre 1861-1880 selbständig erschienen sind. Mit Einschluss der allgemein-naturgeschichtlichen, periodischen und palæontologischen Schriften. Vol. 1-. O. Leipzig: W. Engelmann, 1887-.

**Hagen, Hermann August.****016.5957 H12**

- <sup>2128</sup> Bibliotheca entomologica. Die Litteratur über das ganze Gebiet der Entomologie bis zum Jahre 1862. 2 vol. O. Leipzig: W. Engelmann, 1862-1863.

**Association of Engineering Societies.****016.6 A849**

- <sup>11555</sup> The engineering index. . . . Vol. 1-2. O. Vol. 1, Chicago: Association of Engineering Societies; vol. 2, New York: Engineering Magazine, c. 1892-1896.

Contents: Vol. 1. 1884-1891. Vol. 2. 1892-1896.

Edited by J. B. Johnson.

Vol. 1 published under the title: Descriptive index of current engineering literature.

Originally published in the Journal of the Association.

**Galloupe, Francis Ellis.****016.6 G13**

- <sup>5123</sup> An index to engineering periodicals, 1883 to [1892], inclusive. Comprising engineering; railroads; science; manufactures and trade. 2 vol. O. Boston 1888-1893.

Vol. 2 published under the title: Galloupe's general index to engineering periodicals.

**Haferkorn, Henry Ernest.****016.6 H11**

- <sup>2325</sup> Handy lists of technical literature. Reference catalogue of books printed in English from 1880 to 1888, inclusive; to which is added a select list of books printed before 1880 and still kept on publishers' and jobbers' lists. Parts 1-6 in 1 vol. O. Milwaukee, Wis.: parts 1-2: National Publishing and Printing Co.; parts 3-6: H. E. Haferkorn, 1889-1891.

Parts 1 and 2 compiled by Henry E. Haferkorn and Paul Heise.



**Repertorium.****Lo16.6 R29**

- <sup>3419</sup> Repertorium der technischen Literatur die Jahre 1823 bis einschl. 1853 umfassend. . . . Bearbeitet von Dr. Schubarth. Herausgegeben im Auftrage des Königlichen Ministeriums für Handel, Gewerbe und öffentliche Arbeiten. xvi, 1049 p. O. Berlin: Deckersche Hofbuchdruckerei, 1856.

**Repertorium.****Lo16.6 R291**

- <sup>3421</sup> Repertorium der technischen Journal-Literatur. Herausgegeben im Kaiserlichen Patentamt. Continued from 1854. Q. Berlin 1881—.

Continuation of Repertorium der technischen Literatur, 1823–1853.

From 1854 to 1881 edited by Bruno Kerl; from 1882–1885 by Rud. Biedermann; from 1886–1894 by Dr. Rieth.

Contents: 1854–1868 in 2 vol.: vol. 1, A–K; vol. 2, L–Z; 1869–1873 in 2 vol.: vol. 1, A–K; vol. 2, L–Z; 1874— published annually.

From 1854 to 1878 published under the title: Repertorium der technischen Literatur. Neue Folge. Im Auftrage des Königlich preussischen Ministeriums für Handel, Gewerbe, und öffentliche Arbeiten . . . ; from 1879 to 1894: Repertorium der technischen Journal-Literatur. Im Auftrage des Kaiserlichen Patentamtes herausgegeben.

**Munroe, Charles Edward.****o16.662 M92**

- <sup>2283</sup> Index to the literature of explosives. 2 parts in 1 vol. O. Baltimore 1886–1893.

**Sturgis, Russell, & Krehbiel, Henry Edward.****Lo16.7 S935**

- <sup>6039</sup> Annotated bibliography of fine art. Painting, sculpture, architecture, arts of decoration and illustration, by Russell Sturgis. Music, by Henry Edward Krehbiel. Edited by George Iles. [6], 89 p. Q. Boston: published for the American Library Association Publishing Section by the Library Bureau, 1897.

**Adams, Charles Kendall.****o16.9 A211**

- <sup>204</sup> A manual of historical literature, comprising brief descriptions of the most important histories in English, French, and German, together with practical suggestions as to methods and courses of historical study. . . . Third edition, revised . . . xxxviii, [2], 720 p. O. New York: Harper & Brothers, 1889.

**o17 CATALOGUES OF LIBRARIES****American Library Association.****o17 A5121**

- <sup>1221</sup> Catalog of "A. L. A." library. 5,000 volumes for a popular library selected by the American Library Association, and shown at the World's Columbian Exposition. xx, 592 p. O. (U. S. A. DEPARTMENT OF THE INTERIOR. BUREAU OF EDUCATION.) Washington 1893.

**Boston. Public Library.****Lo17 B658**

- <sup>7592</sup> A list of periodicals, newspapers, transactions, and other serial publications currently received in the principal libraries of Boston and vicinity. [4], 143 p. Q. Boston 1897.

**British Museum. Department of Printed Books.****Lo17 B762**

- <sup>9868</sup> A subject index of the modern works added to the library of the British Museum . . . . Compiled by G. K. Fortescue. [Vol. 1-3.] 1880-1895. Q. London 1886-1897.  
Contents: Vol. 1. 1880-1885; vol. 2. 1886-1890; vol. 3. 1891-1895.

**Chicago. Public Library.****o17 C43**

- <sup>9503</sup> Finding lists of the Chicago Public Library. Seventh edition. Including the first supplement. [2 vol.] O. Chicago 1889-1895.

**Prussia. K. Ministerium der öffentlichen Arbeiten.****o17 P955**

- <sup>8412</sup> Katalog der Bibliothek des Königl. Ministeriums der öffentlichen Arbeiten. xiv, [2], 666 p. O. Berlin: J. Springer, 1897.

**020 LIBRARY ECONOMY****Denver, Col. Public Library.****020.2 D19**

- <sup>864</sup> Public library hand-book, Denver. By the Public Library of Denver. [2], 182 p. il. S. Denver: Carson-Harper Co., 1895.  
Edited by J. C. Dana.

**Dana, John Cotton.****020.2 D191**

- <sup>18873</sup> A library primer. 180, [10] p. il. D. Chicago: Library Bureau, 1899.

**Fletcher, William Isaac.****020.2 F63**

- <sup>133</sup> Public libraries in America. Second edition. [2], 169 p. 14 pl. 4 por. D. (Columbian knowledge series, no. 2.) Boston: Roberts Brothers, 1895.

**Gräsel, Arnim.****020.2 G761**

- <sup>10331</sup> Manuel de bibliothéconomie. Edition française revue par l'auteur et considérablement augmentée. Traduction de Jules Laude. . . . [2], 628 p. il. 4 pl. O. Paris: H. Welter, 1897.

**Plummer, Mary Wright.****020.2 P731**

- <sup>15132</sup> Hints to small libraries. Second edition revised and enlarged. 67, [1] p. 25 il. O. New York: Truslove & Comba, 1898.



**Garnett, Richard.****020.4 G18**

<sup>19678</sup> Essays in librarianship and bibliography. xiv,343 p. D. [Library series, vol. 5.] London: G. Allen, 1899.

Contents: Address to the Library Association. Public libraries and their catalogues. The printing of the British Museum catalogue. The past, present, and future of the British Museum catalogue. The British Museum catalogue as the basis of a universal catalogue. Introduction of European printing into the east. Paraguayan and Argentine bibliography. The early Italian book trade. Some book-hunters of the seventeenth century. Librarianship in the seventeenth century. The manufacture of fine paper in England in the eighteenth century. On some colophons of the early printers. On the system of classifying books on the shelves followed at the British Museum. Subject-indexes to transactions of learned societies. Photography in public libraries. The telegraph in the library. On the protection of libraries from fire. The sliding-press at the British Museum. On the provision of additional space in libraries. Preface to Blades' "Enemies of books". Sir Anthony Panizzi, K.C.B. The late John Winter Jones, V.P.S.A. The late Henry Stevens, F.S.A. The late Sir Edward A. Bond, K.C.B.

**Wheatley, Henry Benjamin.****020.4 W56**

<sup>6539</sup> How to form a library. vii,248 p. D. [Book-lover's library.] London: E. Stock, 1886.

**Macfarlane, John.****025 M16**

<sup>15525</sup> Library administration. x,244 p. D. [Library series, vol. 3.] London: G. Allen, 1898.

**Dewey, Melvil.****025.4 D51**

<sup>934</sup> Decimal classification and relative index for libraries, clippings, notes, etc. Fifth edition. 593 p. O. Boston: Library Bureau, 1894.

**Greenwood, Thomas.****027.042 2**

<sup>1733</sup> Public libraries: a history of the movement and a manual for the organization and management of rate-supported libraries. Fourth edition, revised . . . xxxi,604 p. il. D. London: Cassell & Co., 1894.

**Koopman, Harry Lyman.****028 K83**

<sup>5724</sup> The mastery of books. Hints on reading and the use of libraries. 214 p. D. New York: American Book Co., c. 1896.  
Contains a chapter: Classified list of books.

**Porter, Noah.****028 P83**

<sup>12824</sup> Books and reading: or, What books shall I read and how shall I read them? viii,378 p. O. New York: C. Scribner & Co., 1871.

**Thayer, Joseph Henry.****028.3 T33**

<sup>336</sup> Books and their use: an address; to which is appended a list of books for students of the New Testament. 94 p. O. Boston: Houghton, Mifflin, & Co., 1893.

## 030 ENCYCLOPEDIAS

## 031 AMERICAN

**New York Tribune.**

031 3

- <sup>17774</sup> Tribune almanac and political register . . . Continued from [no. 1]. 1838. D. New York [1854-].

The almanacs for 1838, 1843-1855 are published under the title: The Whig almanac . . . ; for 1839-41: The Politician's register; for 1838-1854 they are photolithographic reproductions with a general title-page reading: The Tribune almanac . . . 1838-1868, . . . comprehending The Politician's register and The Whig almanac . . . Vol. 1.

None published for 1842.

No title-page. Title taken from inside cover.

**Wheeler, William Adolphus, & Wheeler, Charles G.**

031 0200

- <sup>6472</sup> Familiar allusions: a hand-book of miscellaneous information, including the names of celebrated statues, paintings, palaces, country-seats, ruins, churches, ships, streets, clubs, natural curiosities, and the like. v, 584 p. O. Boston: J. R. Osgood & Co., 1882.

**American cyclopædia.**

Lo31 0300

- <sup>446</sup> The American cyclopædia. A popular dictionary of general knowledge. Edited by George Ripley and Charles A. Dana. With supplement. 16 vol. il. pl. maps, facsim. table. Index by T. J. Conant. Q. New York: D. Appleton & Co., 1883-1885.

**—Appletons' annual cyclopædia.**

Lo31 0301

- <sup>733</sup> Appletons' annual cyclopædia and register of important events of the years 1876-. . . . New series. Continued from vol. 1. il. pl. por. maps, tables. Q. New York: D. Appleton & Co., 1885-.

Index for vol. 1-9 in vol. 9; for vol. 13-17 in vol. 17. Vol. 1-9 printed in 1885-1886, c. 1877-1885.

**Encyclopædia Britannica.**

Lo31 0302

- <sup>2494</sup> American supplement to Encyclopædia Britannica. (Ninth edition.) A dictionary of arts, sciences, and general literature. 4 vol. il. pl. maps. Q. Philadelphia: Hubbard Publishing Co., 1894.

Binder's title: Encyclopædia Americana.

**Iconographic encyclopædia.**

Lo31 0500

- <sup>872</sup> The Iconographic encyclopædia of the arts and sciences. Translated from the German of the Bilder-Atlas (Iconographische Encyclopædie), revised and enlarged by eminent American specialists. Published by special arrangement with the proprietor, F. A. Brockhaus, Leipzig, Germany. 7 vol. pl. maps. Q. Philadelphia: Iconographic Publishing Co., c. 1885-1890.

**Daily news almanac.**

031 0502

<sup>10570</sup> The Daily news almanac and political register. . . . Continued from vol. 14. 1898. il. D. Chicago, c. 1898—.

Compiled by G. E. Plumble.

**Frey, Albert Romer.**

031 0800

<sup>890</sup> Sobriquets and nicknames. iii,482 p. O. London: Whittaker & Co., [1887].

**Century dictionary.**

L031 0900

<sup>418</sup> The Century dictionary. An encyclopedic lexicon of the English language. Prepared under the superintendence of William Dwight Whitney. 6 vol. il. F. New York: Century Co., c. 1889. <sup>90</sup> 1881. 00

**Century cyclopedia of names.**

L031 0901

<sup>460</sup> The Century cyclopedia of names. A pronouncing and etymological dictionary of names in geography, biography, mythology, history, ethnology, art, archæology, fiction, etc., etc., etc. Edited by Benjamin E. Smith. vii,1085 p. F. New York: Century Co., c. 1894. <sup>15.00</sup> 13.50

**Reddall, Henry Frederic.**

031 0902

<sup>875</sup> Fact, fancy, and fable: a new handbook for ready reference on subjects commonly omitted from cyclopædias; . . . 536 p. O. Chicago: A. C. McClurg & Co., 1892.

**Thorne, Robert, compiler.**

031 0903

<sup>14584</sup> Fugitive facts. A dictionary of rare and curious information. A treasury of facts, legends, sayings and their explanation, obtained in large part from sources not generally accessible, . . . 506 p. D. New York: A. L. Burt, c. 1889.

**Johnson's universal cyclopædia.**

L031 P300

<sup>432</sup> Johnson's universal cyclopædia. A new edition, prepared by a corps of thirty-six editors, assisted by eminent European and American specialists, under the direction of Charles Kendall Adams. 8 vol. il. pl. maps. Q. New York: A. J. Johnson Co., 1895.

**Smith, Henry Percy, editor.**

031 P500

<sup>1773</sup> A dictionary of terms, phrases, and quotations. The terms and phrases edited by the Rev. H. Percy Smith. The quotations compiled for the American edition by Helen Kendrick Johnson. x, 724 p. O. New York: D. Appleton & Co., 1895.



**Harper's book of facts.****L031 P501**

3630

Harper's book of facts: a classified history of the world, embracing science, literature, and art. Compiled by Joseph H. Willsey, edited by Charlton T. Lewis. [4], 954 p. il. Q. New York: Harper & Brothers, 1895.

**World almanac.****031 P600**

1223

The World almanac and encyclopedia. 1896. 584 p. il. O. New York: Press Publishing Co., 1896.

**Encyclopædia Britannica.****L031 P700**

7900

New American supplement to the latest edition of the Encyclopædia Britannica. A standard work of reference in art, literature, science, history, . . . . Edited under the personal supervision of Day Otis Kellogg. . . . 5 vol. paged continuously; vol. 1: 1-642 p.; vol. 2: [6], 643-1308 p.; vol. 3: [6], 1309-1974 p.; vol. 4: [8], 1975-2632 p.; vol. 5: [6], 2633-3269 p. il. Q. New York: Werner Co., 1897.

**Chandler, William Henry.****L031 P801**

17346

Chandler's encyclopedia. An epitome of universal knowledge. . . . 3 vol. paged continuously; vol. 1: xiii, 1-520 p.; vol. 2: 521-1104 p.; vol. 3: [2], 1105-1710 p. il. maps. Q. New York: P. F. Collier, 1898.

**032 ENGLISH****Statesman's year-book.****032 M400**

5069

The Statesman's year-book: statistical and historical annual of the states of the world . . . . Continued from [vol. 1]. 1864. D. London 1864-.

Vol. 1-19 edited by Frederick Martin; vol. 20-, by J. Scott Keltie.  
Published with various subtitles.

**Whitaker, Joseph, *editor*.****032. M900**

2822

An almanac . . . . Containing the usual astronomical and other phenomena. Also a large amount of information respecting the government, finances, population, commerce, and general statistics of the British Empire throughout the world, with some notice of other countries, &c., &c. Continued from [no. 1:] 1869. D. London: J. Whitaker, pref. 1868-.

**Encyclopædia Britannica.****L032 N500**

2099

The Encyclopædia Britannica. A dictionary of arts, sciences, and general literature. Ninth edition. 24 vol. and index. il. pl. maps. sq. Q. Edinburgh: A. & C. Black, 1875-1888. *5128.38*

**Adams, William Davenport.****032 N800**

- <sup>5517</sup> Dictionary of English literature: being a comprehensive guide to English authors and their works. Third edition. iv, 708 p. O. London: Cassell, Petter & Galpin, [188-].

**Brewer, Ebenezer Cobham.****032 0001**

- <sup>159</sup> The reader's handbook of allusions, references, plots, and stories. With two appendices. xiii, 1170 p. O. Philadelphia: J. B. Lippincott Co., 1893.

**Cox, Sir George William, Bart.****032 0200**

- <sup>1015</sup> The little cyclopædia of common things. Tenth edition. [2], 660 p. il. O. London: Swan Sonnenschein & Co., 1894.

**Brewer, Ebenezer Cobham.****032 0400**

- <sup>867</sup> A dictionary of miracles, imitative, realistic, and dogmatic. xlv, 582 p. il. O. Philadelphia: J. B. Lippincott Co., 1889.

**Hazell's annual.****032 0600**

- <sup>3857</sup> Hazell's annual . . . . A cyclopædic record of men and topics of the day. . . . Continued from [vol. 1]. 1886. maps. D. London 1886-.

Vol. 1-6, 1886-1891, edited by E. D. Price; vol. 10-, by Wm. Palmer.

Vol. 1-3 published under the title: Hazell's annual cyclopædia.

**Chambers' encyclopædia.****L032 0800**

- <sup>434</sup> Chambers' encyclopædia. A dictionary of universal knowledge. New edition. 10 vol. il. pl. maps. Q. London: W. & R. Chambers, 1888-1892.

**Blackie's modern cyclopedia.****032 0900**

- <sup>1302</sup> Blackie's modern cyclopedia of universal information. . . . Edited by Charles Annandale. 8 vol. il. maps. O. London: Blackie & Son, 1894.

**Brewer, Ebenezer Cobham.****032 P100**

- <sup>160</sup> The historic note-book: with an appendix of battles. x, 997 p. O. Philadelphia: J. B. Lippincott Co., 1894.

**Brewer, Ebenezer Cobham.****032 P200**

- <sup>158</sup> Dictionary of phrase and fable. Giving the derivation, source, or origin of common phrases, allusions, and words that have a tale to tell. Twenty-sixth edition, revised. . . . To which is added a concise bibliography of English literature, based upon the . . . work . . . of W. Davenport Adams. . . . viii, 1076 p. O. New York: Cassell Publishing Co., [1892].

**Walsh, William Shepard.****032 P300**

<sup>1163</sup> Handy-book of literary curiosities. 1104 p. O. London: Gibbings & Co., 1894.

**Haydn, [Joseph], of *Lincoln's Inn*.****032 P500**

<sup>145</sup> Haydn's dictionary of dates and universal information relating to all ages and nations. Twenty-first edition, containing the history of the world to the autumn of 1895. By Benjamin Vincent. vi, [6], 1216 p. O. New York: G. P. Putnam's Sons, 1895.

**Baldwin, James.****032 P501**

<sup>1208</sup> A guide to systematic readings in the Encyclopædia Britannica. 316 p. O. Chicago: Werner Co., 1895.

**033-039 OTHER ENCYCLOPEDIAS****Brockhaus' Konversations-Lexikon.****L033 P200**

<sup>639</sup> Brockhaus' Konversations-Lexikon. Vierzehnte vollständig neu bearbeitete Auflage. 17 vol. il. pl. maps, tables. Q. Leipzig: F. A. Brockhaus, 1892-1898. \$35.<sup>60</sup>

Vol. 17 is Supplement and also called Revidierte Jubiläums-Ausgabe.

**Meyers Hand-Lexikon.****033 P300**

<sup>1339</sup> Meyers Hand-Lexikon des allgemeinen Wissens. Fünfte, gänzlich umgearbeitete Auflage. [2], 1702, [2] p. D. Leipzig: Bibliographisches Institut, 1893.

**Larousse, Pierre.****L034 M500**

<sup>1197</sup> Grand dictionnaire universel du xix<sup>e</sup> siècle français, historique, géographique, biographique, mythologique, bibliographique, littéraire, artistique, scientifique, etc. . . . 17 vol. il. 1 por. sq. F. Paris [1864-1876]. \$102.<sup>52</sup>

Vol. 1-2, 4-6, 8-14, published under the title: Grand dictionnaire universel français,

. . . .

Vol. 16 and 17 are supplements to the main work.

**Grande encyclopédie.****L034 O500**

<sup>1198</sup> La Grande encyclopédie. Inventaire raisonné des sciences, des lettres et des arts, par une société de savants et de gens des lettres . . . . Continued from vol. 1. il. maps. F. Paris: vol. 1-22, H. Lamirault & c<sup>ie</sup>, vol. 23-, Société anonyme de La Grande encyclopédie, [1885-].

Vol. 1-18, general editor: F. Camille Dreyfus; vol. 23-, André Berthelot.



**Nordisk familjebok.****L038 N600**

<sup>17846</sup> Nordisk familjebok. Konversationslexikon och realencyklopedi, innehållande upplysningar och förklaringar om märkvärdiga namn, föremål och begrepp. . . . Vol. 1-. il. Q. Stockholm 1876-.

A-Elzheimer, edited by N. Linder; Em-Hemman, by B. F. Olsson, J. Rosén and Th. Westrin; Hemmansklyfning-Öynhausen, by J. Rosén and Th. Westrin, with the exception of the letter S which was edited by B. Meijer; vol. 19-, by Th. Westrin.

Vol. 19- are supplements.

**040 GENERAL ESSAYS****Caird, John.****042 C12**

<sup>18108</sup> University addresses: being addresses on subjects of academic study delivered to the University of Glasgow. [Edited by Edward Caird.] x,383 p. O. Glasgow: J. MacLehose & Son, 1898.

Contents: The unity of the sciences. The progressiveness of the sciences. Erasmus. Galileo. The scientific character of Bacon. David Hume. Bishop Butler and his theology. The study of history. The science of history. The study of art. The progressiveness of art. The art of public speaking. The personal element in teaching. General and professional education.

**050 JOURNALISM****Dana, Charles Anderson.****050.4 D19**

<sup>12388</sup> The art of newspaper making. Three lectures. [4],114 p. D. New York: D. Appleton & Co., 1897.

**Hudson, Frederic.****050.9 N200**

<sup>5</sup> Journalism in the United States, from 1690 to 1872. [4],789 p. O. New York: Harper & Brothers, 1873.

**Jackson, Mason.****050.9 0500**

<sup>1032</sup> The pictorial press, its origin and progress. xii,363 p. 150 il. O. London: Hurst & Blackett, 1885.

**Bourne, Henry Richard Fox.****050.9 0700**

<sup>5378</sup> English newspapers. Chapters in the history of journalism. 2 vol. O. London: Chatto & Windus, 1887.

**Pendleton, John.****050.9 P001**

<sup>6488</sup> Newspaper reporting in olden time and to-day. x,245 p. D. [Book-lover's library.] London: E. Stock, 1890.

## 060 SCIENTIFIC SOCIETIES

**Becker, Bernard Henry.**

062 4

<sup>12415</sup> Scientific London. viii, 340 p. D. New York: D. Appleton & Co., 1875.

## 090 BOOK RARITIES

**Slater, John Herbert.**

090.2 P200

<sup>6236</sup> Book collecting. A guide for amateurs. [2], 130 p. il. D. London: Swan Sonnenschein & Co., 1892.

**Madan, Falconer.**

091 P300

<sup>2853</sup> Books in manuscript: a short introduction to their study and use. With a chapter on records. xv, 188 p. il. 8 pl. 1 facsim. O. [Books about books.] London: Kegan Paul, ... & Co., 1893.  
With an appendix: List of printed catalogues of manuscripts in European languages in the British Museum, the Bodleian Library at Oxford, the Cambridge University Library, etc.

**Pollard, Alfred William.**

096 P300

<sup>135</sup> Early illustrated books. A history of the decoration and illustration of books in the 15th and 16th centuries. xvi, 256 p. 58 il. 1 facsim. O. [Books about books.] London: Kegan Paul, Trench, Trübner & Co., 1893.

**Hardy, William J.**

097 P300

<sup>2340</sup> Book-plates. xvi, 175 p. il. 34 pl. 3 por. O. [Books about books.] London: Kegan Paul, ... & Co., 1893.

**Castle, Egerton.**

097 P301

<sup>2334</sup> English book-plates, ancient and modern. [New and enlarged edition.] xx, 352 p. il. 13 pl. 1 por. D. [Ex-libris series.] London: G. Bell & Sons, 1894.

**Vinycorb, John.**

097 P400

<sup>6233</sup> On the processes for the production of ex libris (book-plates). . . . xii, 96 p. il. 22 pl. D. London: A. & C. Black, 1894.  
Reprinted from the *Journal of the Ex Libris Society* with additional illustrations.

**Allen, Charles Dexter.**

097 P401

<sup>7379</sup> American book-plates. A guide to their study, with examples. With a bibliography by Eben Newell Hewins. xiv, 437 p. il. 31 pl. D. New York: Macmillan & Co., 1894.

**Hamilton, Walter.**

097 P600

<sup>5572</sup> French book-plates. x, 360 p. il. 1 pl. D. [Ex-libris series.] London: G. Bell & Sons, 1896.

Contains a bibliography of works referring to French ex-libris.

## 100-200 PHILOSOPHY AND RELIGION

## 100-120 GENERAL WORKS AND METAPHYSICS

**Ladd, George Trumbull.****102 P001**

<sup>1575</sup> Introduction to philosophy. An inquiry after a rational system of scientific principles in their relation to ultimate reality. xii, 426 p. O. New York: C. Scribner's Sons, 1890.

**Külpe, Oswald.****102 P500**

<sup>5585</sup> Introduction to philosophy. A handbook for students of psychology, logic, ethics, æsthetics, and general philosophy. Translated from the German (1895) by W. B. Pillsbury and E. B. Titchener. x,256 p. D. London: Swan Sonnenschein & Co., 1897.

**Hyde, William DeWitt.****104 H99**

<sup>13097</sup> Practical idealism. xi,335 p. D. New York: Macmillan Co., 1897.

Contents: Part 1. The natural world. 1. The world of sense-perception. 2. The world of association. 3. The world of science. 4. The world of art. Part 2. The spiritual world. 5. The world of persons. 6. The world of institutions. 7. The world of morality. 8. The world of religion.

**Schwegler, Albert.****109 K700**

<sup>3546</sup> Handbook of the history of philosophy. Translated and annotated by James Hutchison Stirling. Seventh edition. . . . xviii, [2],486 p. D. Edinburgh: Edmonston & Co., 1879.

**Ueberweg, Friedrich.****109 N100**

<sup>5745</sup> History of philosophy, from Thales to the present time. Translated from the fourth German edition, by George S. Morris. With additions by Noah Porter. With a preface by the editors of the Philosophical and theological library. 2 vol. O. [Philosophical and theological library.] New York: C. Scribner's Sons, 1887, c. 1871-1873.

Vol. 2 contains an appendix on English and American philosophy, by Noah Porter, and an appendix on Italian philosophy, by Vincenzo Botta.

**Windelband, Wilhelm.****109 P100**

<sup>7371</sup> A history of philosophy. With especial reference to the formation and development of its problems and conceptions. Authorised translation by James H. Tufts. xiii,659 p. O. New York: Macmillan & Co., 1893.

**Burt, Benjamin Chapman.****109 P200**

<sup>1821</sup> A history of modern philosophy (from the Renaissance to the present). 2 vol. O. Chicago: McClurg & Co., 1892.



**Weber, Alfred.****109 P600**

<sup>4108</sup> History of philosophy. Authorized translation by Frank Thilly. From the fifth French edition. xi,630 p. O. New York: C. Scribner's Sons, 1896.

Contains a bibliography of philosophy and numerous bibliographical notes and references.

**Pearson, Karl.****110.2 P200**

<sup>6437</sup> The grammar of science. xvi,493 p. 25 il. D. [Contemporary science series.] London: W. Scott, 1892.

With bibliographical references at the end of each chapter.

**Bradley, Francis Herbert.****110.2 P300**

<sup>3392</sup> Appearance and reality: a metaphysical essay. xxiv,558 p. O. [Library of philosophy.] London: Swan Sonnenschein & Co., 1893.

**Locke, John.****121 E2**

<sup>9808</sup> An essay concerning human understanding. Collated and annotated, with prolegomena, biographical, critical, and historical, by Alexander Campbell Fraser. 2 vol. por. O. Oxford: Clarendon Press, 1894.

**130 MIND AND BODY****Mercier, Charles.****132.1 O900**

<sup>3315</sup> Sanity and insanity. xix,395 p. il. 1 pl. D. [Contemporary science series.] London: W. Scott, 1890.

**Kerr, Norman.****132.7 P400**

<sup>11532</sup> Inebriety or narcomania, its etiology, pathology, treatment and jurisprudence. Third edition. xxxix,780 p. O. London: H. K. Lewis, 1894.

**Ellis, Havelock.****132.9 P001**

<sup>140</sup> The criminal. viii,337 p. il. 5 pl. D. [Contemporary science series.] London: W. Scott, 1890.

**Sully, James.****133.2 O100**

<sup>616</sup> Illusions: a psychological study. xii,372 p. 7 il. D. (International scientific series, vol. 33.) New York: D. Appleton & Co., 1882.

**Scholz, Friedrich, *M. D.*****135 P300**

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- <sup>13006</sup> Postal guide prepared by the Chicago Post Office (Bureau of Publication) containing revised and corrected postal information for the business public with time charts, scheme and schedules showing arrival, departure, delivery and collection of mails. [Number 5, March, 1898.] 158 p. O. [Chicago] 1898.

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- <sup>7571</sup> Military science. 194 p. il. 8 maps, 3 tables. O. [Boston 189-.]  
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- <sup>2493</sup> Farrow's Military encyclopedia. A dictionary of military knowledge. 3 vol. il. pl. maps. Q. New York: published by the author, 1885.

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- <sup>17780</sup> A history of the art of war. The Middle Ages from the fourth to the fourteenth century. xv, 667 p. 7 pl. 17 maps. O. London: Methuen & Co., 1898.



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- <sup>16267</sup> A naval encyclopædia: comprising a dictionary of nautical words and phrases; biographical notices, and records of naval officers; special articles on naval art and science, written ... by officers and others of recognized authority in the branches treated by them. Together with descriptions of the principal naval stations and seaports of the world. 1017 p. il. Q. Philadelphia: L. R. Hamersly & Co., 1881.

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- <sup>10111</sup> The interest of America in sea power, present and future. vi,[4], 314 p. 2 maps. O. Boston: Little, Brown & Co., 1897.

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- <sup>10861</sup> The history of our navy from its origin to the present day. 1775-1897. 4 vol. il. pl. por. O. New York: C. Scribner's Sons, 1897.

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- <sup>10659</sup> American charities. A study in philanthropy and economics. Third thousand. viii,430 p. il. 1 map, 6 tables. D. [Library of economics and politics, vol. 4.] New York: T. Y. Crowell & Co., c. 1894.

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- <sup>11043</sup> Hand-book of charities [of Chicago]. Third edition, revised and enlarged. 253,[9] p. il. 1 pl. O. Chicago: C. H. Kerr & Co., 1897.

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<sup>12882</sup> The epileptic and crippled child and adult. A report on the present condition of these classes of afflicted persons, with suggestions for their better education and employment. xii,159 p. D. (Charity organisation series.) London: Swan Sonnenschein & Co., 1893.

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<sup>2812</sup> The insane in foreign countries. xii,374 p. 19 pl. 2 maps. Q. New York: G. P. Putnam's Sons, 1889.

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<sup>10548</sup> The punishment and prevention of crime. vi,[2],235 p. D. [English citizen.] London: Macmillan & Co., 1885.

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<sup>6110</sup> Criminal sociology. xx,284 p. D. [Criminology series, vol. 2.] New York: D. Appleton & Co., 1896.

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<sup>10975</sup> Punishment and reformation. An historical sketch of the rise of the penitentiary system. xi,339 p. il. 6 pl. [Library of economics and politics, vol. 6.] New York: T. Y. Crowell & Co., c. 1895.

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<sup>12555</sup> The New York State Reformatory in Elmira. Original English edition published simultaneously with the German edition. With a preface by Havelock Ellis. x,172 p. D. [Social science series, vol. 19.] London: Swan Sonnenschein & Co., 1891.

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## 370 EDUCATION

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<sup>3452</sup> The philosophy of education. Translated from the German by Anna C. Brackett. Second edition, revised, and accompanied with commentary and analysis. xxviii, 286 p. D. (International education series, vol. 1.) New York: D. Appleton & Co., 1886.

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**Fitch, Joshua Girling.** 370.2 O100

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<sup>10369</sup> The philosophy of education; or, The principles and practice of teaching. With an introduction by Edward E. Sheib. 331 p. il. S. New York: E. L. Kellogg & Co., 1885.

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<sup>8451</sup> Institutes of education, comprising an introduction to rational psychology. . . . ix, 272 p. D. Edinburgh: J. Thin, 1892.

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<sup>11367</sup> Education. An introduction to its principles and their psychological foundations. xii,536 p. D. New York: Dodd, Mead & Co., 1896.

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<sup>7803</sup> Organic education. A manual for teachers in primary and grammar grades. By Harriet M. Scott, assisted by Gertrude Buck. vii,[1],291,[1] p. D. Ann Arbor, Mich.: J. V. Sheehan, 1897.  
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Contents: 1. Barnett, P. A. The criteria in education. 2. Pollard, A. T. Organisation and curricula. 3. Weldon, E. A. The kindergarten. 4. Burrell, A. Reading and speaking. 5. Morris, I. H. Writing. 6. —. Drawing. 7. Wormell, R. Mathematics. 8. Abbott, E. A. On the teaching of English grammar. 9. Barnett, P. A. English literature. 10. Somervell, R. Modern history. 11. Withers, H. L. Ancient history. 12. Gonner, E. C. K. Geography. 13. Lyttelton, E. Classical teaching. 14. Miall, L. C. The teaching of science. 15. Storr, F. The teaching of modern languages. 16. McNaught, W. G. Vocal music. 17. Sidgwick, A. Form management. 18. Buckle, G. E. Ineffectiveness in teaching. 19. Glazebrook, M. G. Specialisation. 20. Martin, A. T. School libraries. 21. Dukes, C. Health and physical culture. 22. Hill, W. K. Furniture, apparatus and appliances. 23. Sandford, M. E. Organisation and curricula in girls' schools.

**Kiddle, Henry, & Schem, Alexander J., *editors*.****L370.3 O300**

<sup>6210</sup> The Cyclopædia of education: a dictionary of information for the use of teachers, school officers, parents, and others. Third edition. With appendix. [2],v,868,xvii,[10] p. Q. New York: E. Steiger & Co., 1883, c. 1876.

**Dictionnaire.****L370.3 O700**

<sup>6642</sup> Dictionnaire de pédagogie et d'instruction primaire. Publié sous la direction de F. Buisson, avec le concours d'un grand nombre de collaborateurs. 2 parts and supplement in 4 vol. il. Q. Paris: Hachette & C<sup>ie</sup>, 1887-1888.

**Sonnenschein's cyclopædia of education.****370.3 P200**

<sup>5939</sup> Sonnenschein's cyclopædia of education. A handbook of reference on all subjects connected with education (its history, theory, and practice), ... Edited by Alfred Ewen Fletcher. Third edition. [6],562 p. O. London: Swan Sonnenschein & Co., 1892.

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<sup>5968</sup> Encyklopädisches Handbuch der Pädagogik. Vol. 1.— Q. Langensalza: H. Beyer & Söhne, 1895—.

**Eliot, Charles William.**

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<sup>18612</sup> Educational reform. Essays and addresses. ix,418 p. O. New York: Century Co., 1898.

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**Locke, John.**

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<sup>10753</sup> Some thoughts concerning education. With introduction and notes by the Rev. R. H. Quick. Second edition. . . . lxiv,240 p. S. (Pitt Press series.) Cambridge: University Press, 1889, pref. 1884.

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<sup>5938</sup> The history of pedagogy. Translated, with an introduction, notes, and an index, by W. H. Payne. Third edition. xxvi,598 p. D. London: Swan Sonnenschein & Co., 1895.

**Painter, Franklin Verzellius Newton.**

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<sup>7844</sup> Thomas and Matthew Arnold and their influence on English education. ix,277 p. D. [Great educators.] New York: C. Scribner's Sons, 1897.

**Laurie, Simon Somerville.****370.9218 L37**

- <sup>6485</sup> John Amos Comenius, Bishop of the Moravians: his life and educational works. Reading-circle edition, with a new bibliography . . . . 272 p. il. 1 pl. D. (School bulletin publications.) Syracuse, N. Y.: C. W. Bardeen, 1892.

**Hughes, Thomas, S. J.****370.9252 H87**

- <sup>13158</sup> Loyola and the educational system of the Jesuits. ix,302 p. D. (Great educators.) New York: C. Scribner's Sons, 1892.

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- <sup>12961</sup> Rousseau and education according to nature. vii,253 p. D. (Great educators.) New York: C. Scribner's Sons, 1898.

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- <sup>6105</sup> The education of the Greek people and its influence on civilization. xiv,[4],229 p. D. (International education series, vol. 28.) New York: D. Appleton & Co., 1896.

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- <sup>6107</sup> English education in the elementary and secondary schools. xiii,193 p. D. (International education series, vol. 22.) New York: D. Appleton & Co., 1892.

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- <sup>14078</sup> American college and public school directory. Continued from vol. 21. 1898. O. St. Louis, Mo., [1898-].

**371 METHODS AND MANAGEMENT****Klemm, Louis R.****371 O800**

- <sup>10578</sup> European schools, or what I saw in the schools of Germany, France, Austria, and Switzerland. xvi,419 p. 523 il. D. (International education series, vol. 12.) New York: D. Appleton & Co., 1890.

**Baldwin, Joseph.****371 P700**

- <sup>6108</sup> School management and school methods. xix,395 p. il. D. (International education series, vol. 40.) New York: D. Appleton & Co., 1897.

**Salmon, David.****371 P801**

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**Bardeen, Charles William.****371.1 P700**

- <sup>11967</sup> Teaching as a business. Four addresses. 154 p. D. (School bulletin publications.) Syracuse, N. Y.: C. W. Bardeen, 1897.

**Greenwood, James M.****371.3 O700**

- <sup>6082</sup> Principles of education practically applied. [6],192 p. D. New York: D. Appleton & Co., 1894, c. 1887.

**Hackwood, Frederick William.****371.3 P600**

- <sup>9380</sup> The practical method of class management. A ready guide of useful hints to young class teachers. 90 p. D. London: G. Philip & Son, 1896.

**McMurry, Charles Alexander, & McMurry, Frank M.****371.32 P700**

- <sup>9971</sup> The method of the recitation. 319 p. D. Bloomington, Ill.: Public School Publishing Co., 1897.

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- <sup>6722</sup> Education in its relation to manual industry. xv,393 p. D. New York: D. Appleton & Co., 1892, c. 1884.

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- <sup>8519</sup> The theory of educational sloyd. The only authorised edition of the lectures of Otto Salomon. Revised and edited for English and American students by an inspector of schools. Together with a résumé of the history of manual training, and a biography of Herr Salomon. Second edition. xii,150 p. 1 pl. 1 por. D. London: G. Philip & Son, [1894].

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- <sup>6159</sup> Herbart's ABC of sense-perception and minor pedagogical works. Translated, with introduction, notes, and commentary, by William J. Eckoff. xxxi,288 p. 10 il. 2 tables. D. (International education series, vol. 36.) New York: D. Appleton & Co., 1896.

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<sup>7868</sup> Froebel's educational laws for all teachers. xiii, 296 p. D. (International education series.) New York: D. Appleton & Co., 1897.

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<sup>278</sup> The Swedish system of educational gymnastics. Second edition, enlarged. [10], 284 p. 264 il. O. Boston: Lee & Shepard, 1891.

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**Warner, Francis.** 372 P703

<sup>17795</sup> The study of children and their school training. xix, 264 p. 19 il. D. New York: Macmillan Co., 1898.

**Smith, Nora Archibald.** 372 P802

<sup>16533</sup> The children of the future. [6], 165 p. D. Boston: Houghton, Mifflin & Co., 1898.

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<sup>6136</sup> The education of man. Translated from the German and annotated by W. N. Hailmann. xxv, 332 p. D. (International education series, vol. 5.) New York: D. Appleton & Co., 1896, c. 1887.

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<sup>5573</sup> Froebel's letters on the kindergarten. Translated from the German edition of 1887 by Hermann Poesche. Edited and annotated by Emilie Michaelis and H. Keatley Moore. Authorized American edition. x, [2], 331 p. D. Syracuse, N. Y.: C. W. Bardeen, 1896.

**Harrison, Elizabeth.** 372.2 P001

<sup>12808</sup> A study of child-nature from the kindergarten standpoint. Sixteenth edition. 207 p. D. [Chicago:] Chicago Kindergarten College, 1895, c. 1890.



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6773 Children's singing games. [Second edition.] 67 p. il. sq.O.  
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17881 The songs and music of Friedrich Froebel's Mother play (Mutter und Kose Lieder). Songs newly translated and furnished with new music. Prepared and arranged by Susan E. Blow. xv, 272 p. il. D. (International education series, vol. 32.) New York: D. Appleton & Co., 1898.

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**Aber, Mary Rose Alling-** 372.3 P702

7354 An experiment in education. Also the ideas which inspired it and were inspired by it. vii,[1],244,[1] p. D. New York: Harper & Brothers, 1897.

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 3302 Higher education of women in Europe. Translated and accompanied by comparative statistics by L. R. Klemm. xxxvi, 186 p. il. D. (International education series, vol. 16.) New York: D. Appleton & Co., 1890.

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**Gilman, Daniel Coit.****378.73 7**

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**Seeley, Levi.****379.43 1**

<sup>10751</sup> The common-school system of Germany and its lessons to America. 251 p. D. (Kellogg's pedagogical library.) New York: E. L. Kellogg & Co., 1896.

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<sup>5122</sup> A manual of common school law. [New edition, enlarged and rewritten.] 276 p. D. Syracuse: C. W. Bardeen, 1896.

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<sup>528</sup> Handbook of commercial geography. New edition. .x,[2], 515 p. il. 19 maps. O. London: Longmans, Green, & Co., 1894, pref. 1889.

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<sup>7840</sup> The theory of international trade. With some of its applications to economic policy. Second edition, revised. xii, 183 p. D. London: Macmillan & Co., 1897.

**Dabney, Walter Davis.****385 0900**

<sup>1689</sup> The public regulation of railways. v, 281 p. D. (Questions of the day, no. 60.) New York: G. P. Putnam's Sons, 1889.

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<sup>3089</sup> Railway secrecy and trusts. 138 p. D. (Questions of the day, no. 61.) New York: G. P. Putnam's Sons, 1890.

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<sup>1792</sup> The railways and the traders. A sketch of the railway rates question in theory and practice. Second edition. 14, 378 p. D. London: J. Murray, 1891.

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<sup>10901</sup> National consolidation of the railways of the United States. [2], xv,326 p. D. New York: Dodd, Mead & Co., 1893.
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<sup>1390</sup> State railroad control. With a history of its development in Iowa. With an introduction by Henry C. Adams. ix,251 p. 1 map, 1 table. D. [Library of economics and politics, vol. 9.] New York: T. Y. Crowell & Co., c. 1896.
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<sup>12987</sup> Conversion tables of metric and British or United States weights and measures. With an introduction. 83,xii p. O. New York: J. Wiley & Sons, 1883.
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<sup>2160</sup> The Stanford dictionary of anglicised words and phrases. Edited  
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<sup>2467</sup> A dictionary of the English language, pronouncing, etymological, and explanatory, embracing scientific and other terms, numerous familiar terms, and a copious selection of old English words. The pronunciation revised by the Rev. P. H. Phelps, with supplement by William Bayne. New edition. xvi,1288 p. Q. Edinburgh: W. Blackwood & Sons, 1895.

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<sup>11963</sup> Principles of English grammar. For the use of schools. x,254 p. D. New York: Macmillan Co., 1898.

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<sup>5516</sup> An English grammar: methodical, analytical, and historical. With a treatise on the orthography, prosody, inflections and syntax of the English tongue; . . . . Translated from the German, . . . , by Clair James Grece. 3 vol. O. London: J. Murray, 1874.

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<sup>1766</sup> Essentials of English grammar. . . . , xi,260,16 p. D. Boston: Ginn & Co., 1889, c. 1877.

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<sup>2110</sup> Historical outlines of English accidence, comprising chapters on the history and development of the language, and on word-formation. Revised by L. Kellner, with the assistance of Henry Bradley. xiii,[3],463 p. D. London: Macmillan & Co., 1895.

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<sup>2710</sup> The verbalist. A manual devoted to brief discussions of the right and the wrong use of words and to some other matters of interest to those who would speak and write with propriety. By Alfred Ayres. New and revised edition, much enlarged. vi,337 p. S. New York: D. Appleton & Co., 1896.

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**Kluge, Friedrich.****433 K71**

<sup>2141</sup> Etymologisches Wörterbuch der deutschen Sprache. Fünfte verbesserte Auflage. xxvi, 491 p. Q. Strassburg: K. J. Trübner, 1894.

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<sup>2337</sup> Allgemeines englisch-deutsches und deutsch-englisches Wörterbuch. Zweiter ... vermehrter Abdruck der vierten ... Auflage von Dr. J. G. Flügel's Vollständigem Wörterbuch der englischen und deutschen Sprache. 2 vol. in 3. Q. Braunschweig: G. Westermann, 1894. \$11.00

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<sup>6646</sup> Flügel - Schmidt - Tanger, A dictionary of the English and German languages for home and school. With special reference to Dr. Felix Flügel's Universal English-German and German-English dictionary. Second edition. 2 vol. Q. New-York: Lemcke & Buechner, 1897.

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<sup>3107</sup> Svensk-engelsk ordbok. ... [6],1360 p. O. Stockholm: P. A. Norstedt & Söner, c. 1889.

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<sup>14716</sup> Norwegian grammar and reader. With notes and vocabulary. x,330 p. O. Chicago: Scott, Foresman & Co., 1898.

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<sup>3111</sup> Dictionnaire de la langue française. Supplément renfermant un grand nombre de termes d'art, de science, d'agriculture, etc. ... suivi d'un dictionnaire étymologique de tous les mots d'origine orientale, par Marcel Devic. [2],iv,375,[2],vii,84 p. sq. F. Paris: Hachette & Cie, 1882.

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<sup>2458</sup> Dictionnaire d'étymologie française d'après les résultats de la science moderne. Troisième édition revue et augmentée. x, [2],526,[2] p. Q. Bruxelles: T. Falk, 1888.



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<sup>14656</sup> Dictionnaire général anglais-français [et français-anglais]. Nouvellement rédigé d'après Johnson, Webster, Richardson, etc., les dictionnaires français de l'Académie, de Laveaux, de Boiste, de Bescherelle, etc., . . . . Vingt-huitième édition. [2 vol.] O. Paris: Baudry, 1882.

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<sup>1320</sup> Encyklopädisches französisch-deutsches und deutsch-französisches Wörterbuch, . . . . 2 vol. Q. Berlin: Langenscheidtsche Verlags-Buchhandlung, 1894-1895.

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<sup>489</sup> A new dictionary of the Italian and English languages, based upon that of Baretti, and containing, ... ; a copious list of geographical and proper names, both ancient and modern. 2 vol. O. New York: D. Appleton & Co., 1855.
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<sup>15373</sup> A brief Spanish grammar. With historical introductions and exercises. vii, 123 p. D. Boston, U. S. A.: D. C. Heath & Co., 1898, c. 1891.
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<sup>1757</sup> A grammar of the modern Spanish language as now written and spoken in the capital of Spain. Second edition, ... revised by the author. x, 488 p. D. Boston: Ginn & Co., 1896, c. 1882.
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<sup>14322</sup> A copious and critical English-Latin dictionary. Fifth edition. xi, [1], 963, [1] p. O. London: J. Murray, 1888.

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<sup>2011</sup> Allen and Greenough's Latin grammar, . . . , founded on comparative grammar. Revised and enlarged by James Bradstreet Greenough, assisted by George L. Kittredge. xii,488 p. D. Boston, U. S. A.: Ginn & Co., 1895, c. 1888.

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<sup>17724</sup> A Latin grammar for schools and colleges. [Completed by Morris H. Morgan.] xiv,[2],571,[1] p. O. New York: Harper & Brothers, 1898.

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<sup>2012</sup> A Greek grammar. Revised and enlarged. xxxvi,[1],451 p. D. Boston: Ginn & Co., 1895.

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<sup>652</sup> The realm of nature. An outline of physiography. xiii, 366 p. 68 il. 19 maps. D. [University extension manuals.] New York: C. Scribner's Sons, 1892.

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<sup>190</sup> An illustrated dictionary of scientific terms. 350, [2] p. il. D. New York: G. P. Putnam's Sons, pref. 1878.

**Clifford, William Kingdon.****504 C61**

<sup>3153</sup> Lectures and essays. Edited by Leslie Stephen and Frederick Pollock, with an introduction by F. Pollock. 2 vol. il. por. O. London: Macmillan & Co., 1879.

Contents: Vol. 1. Introduction: Biographical. Selection from letters, etc. Bibliographical.—On some of the conditions of mental development. On theories of the physical forces. On the aims and instruments of scientific thought. Atoms. The first and last catastrophe. The unseen universe. The philosophy of the pure sciences. Vol. 2. Instruments used in measurement. Body and mind. On the nature of things-in-themselves. On the types of compound statement involving four classes. On the scientific basis of morals. Right and wrong: the scientific ground of their distinction. The ethics of belief. The ethics of religion. The influence upon morality of a decline in religious belief. Cosmic emotion. Virchow on the teaching of science.

**[Kelvin], William Thomson, [1st Baron].****504 K29**

<sup>12380</sup> Popular lectures and addresses by Sir William Thomson. . . . 3 vol. il. pl. D. (Nature series.) London: Macmillan & Co., 1891-1894.

Contents: Vol. 1. Constitution of matter. Vol. 2. Geology and general physics. Vol. 3. Navigational affairs.

Vol. 1 is in second edition, with additions and corrections.

**Dyer, Henry.****507 P300**

<sup>5302</sup> Science teaching in schools: an address. [6], 128 p. D. London: Blackie & Son, 1893.

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<sup>15787</sup> Progress of science. Its origin, course, promoters, and results. With an introduction by Samuel Laing. xxxi, 358 p. O. London: Chapman & Hall, 1895.



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<sup>5135</sup> *Pioneers of science in America. Sketches of their lives and scientific work. . . .* viii,508 p. 5 il. 49 por. O. New York: D. Appleton & Co., 1896.

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- Le Conte, Joseph.** 550.2 P100  
<sup>1044</sup> Elements of geology. . . . Revised and enlarged. xvii,640 p. 982 il. 1 pl. O. New York: D. Appleton & Co. 1891.
- Berghaus, Hermann.** L550.2 P201  
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- Geikie, *Sir* Archibald.** 550.2 P300  
<sup>12696</sup> Text-book of geology. Third edition, revised and enlarged. xvi,1147 p. 471 il. 1 pl. 1 table. O. London: Macmillan & Co., 1893.
- Bonney, Thomas George.** 550.2 P301  
<sup>297</sup> The story of our planet. xii,[2],535 p. 170 il. 4 pl. 2 maps. O. New York: Cassell Publishing Co., c. 1893.
- Dana, James Dwight.** 550.2 P401  
<sup>12361</sup> Manual of geology. Treating of the principles of the science with special reference to American geological history. Fourth edition. 1088 p. 1575 il. 2 maps. O. New York: American Book Co., 1896.
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<sup>4871</sup> Geology. vi,137 p. 46 il. S. (Science primers, no. 5.) New York: American Book Co., [1896].

- Watts, William Whitehead.** 550.2 P800  
<sup>19382</sup> Geology for beginners. xvii,352 p. 309 il. 1 pl. D. London: Macmillan & Co., 1898.
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<sup>3979</sup> Geological sketches at home and abroad. x,382 p. 29 il. O. London: Macmillan & Co., 1882.
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<sup>10341</sup> The founders of geology. x,297 p. O. London: Macmillan & Co., 1897.
- Bonney, Thomas George.** 550.9252 B64  
<sup>12860</sup> Charles Lyell and modern geology. 224 p. 1 por. D. (Century science series.) London: Cassell & Co., 1895.

## 551-551.4 PHYSICAL GEOGRAPHY

- Croll, James.** 551.02 N500  
<sup>6440</sup> Climate and time in their geological relations; a theory of secular changes of the earth's climate. xvi,[2],577 p. 12 il. 2 pl. 5 maps, 1 table. O. New York: D. Appleton & Co., 1875.
- Reclus, Elisée.** L551.02 O600  
<sup>5789</sup> A new physical geography. Edited by A. H. Keane. 2 vol. il. pl. maps. Q. New York: D. Appleton & Co., 1886.  
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<sup>4489</sup> Aspects of the earth: a popular account of some familiar geological phenomena. xix,344 p. il. 16 pl. O. New York: C. Scribner's Sons, 1890.
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<sup>10253</sup> Elementary physical geography. xxxi,488 p. 267 il. 1 pl. 9 maps. O. New York: Macmillan Co., 1897.
- Simmons, Arthur Thomas.** 551.02 P704  
<sup>17171</sup> Physiography for advanced students. viii,483 p. 218 il. D. London: Macmillan & Co., 1897.
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<sup>16873</sup> Outlines of the earth's history. A popular study in physiography. vii,417 p. 23 il. 10 pl. O. New York: D. Appleton & Co., 1898.

**Davis, William Morris, & Snyder, William Henry.** 551.02 P801  
<sup>18518</sup> Physical geography. xvii,[1],431 p. 261 il. 1 pl. 2 maps paged  
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<sup>3892</sup> Characteristics of volcanoes, with contributions of facts and principles from the Hawaiian Islands, including a historical review of Hawaiian volcanic action for the past sixty-seven years, a discussion of the relations of volcanic islands to deep-sea topography, and a chapter on volcanic-island denudation. xvi,399 p. il. 4 maps. O. New York: Dodd, Mead, & Co., 1890.

**Russell, Israel Cook.** 551.21 P700

<sup>8179</sup> Volcanoes of North America. A reading lesson for students of geography and geology. xiv,346 p. 10 il. 12 pl. 4 maps. O. New York: Macmillan Co., 1897.

**Tyndall, John.** 551.31 N200

<sup>642</sup> The forms of water in clouds & rivers, ice & glaciers. xxiii,[1] 196 p. 35 il. 1 por. D. (International scientific series, vol. 1.) New York: D. Appleton & Co., 1882.

**Geikie, James.** 551.4 P800

<sup>17666</sup> Earth sculpture; or, The origin of land-forms. xvi,320 p. 89 il. 2 pl. O. [Progressive science series.] London: J. Murray, 1898.

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<sup>13149</sup> Atlas der Hydrographie. 5 p. 11 maps. F<sup>4</sup>. (Berghaus' physikalischer Atlas. [Dritte Ausgabe.] Abteilung 2.) ... Gotha: J. Perthes, 1891.

**Russell, Israel Cook.** 551.48 P500

<sup>287</sup> Lakes of North America. A reading lesson for students of geography and geology. x,[2],125 p. 9 il. 13 pl. 10 maps. O. Boston: Ginn & Co., 1895.

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<sup>16294</sup> Rivers of North America. A reading lesson for students of geography and geology. xix,327 p. 23 il. 11 pl. 6 maps, 1 table. O. [Science series, vol. 3.] New York: G. P. Putnam's Sons, 1898.



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<sup>303</sup> Weather. A popular exposition of the nature of weather changes from day to day. xix,472 p. 96 il. D. (International scientific series, vol. 58.) New York: D. Appleton & Co., 1887.

**Hann, Julius.** L551.5 O704

<sup>12789</sup> Atlas der Meteorologie. 12 p. 12 maps. F<sup>4</sup>. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 3.) Gotha: J. Perthes, 1887.

**Waldo, Frank.** 551.5 P401

<sup>10904</sup> Modern meteorology: an outline of the growth and present condition of some of its phases. xxiii,460 p. il. 1 map, 2 tables. D. [Contemporary science series, vol. 21.] London: W. Scott, 1894.

**Davis, William Morris.** 551.5 P402

<sup>11041</sup> Elementary meteorology. xi,[1],355 p. 106 il. 6 maps. O. Boston, U. S. A.: Ginn & Co., 1894.

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<sup>17081</sup> Meteorology, weather, and methods of forecasting, description of meteorological instruments and river flood predictions in the United States. xxiii,277 p. il. 1 pl. 45 maps. O. New York: Macmillan & Co., 1895.

**Archibald, [Edmund] Douglas.** 551.5 P700

<sup>7864</sup> The story of the earth's atmosphere. 194 p. 43 il. 1 pl. S. [Library of useful stories.] New York: D. Appleton & Co., 1897.

**Croll, James.** 551.56 O600

<sup>6736</sup> Discussions on climate and cosmology. xii,327 p. 1 map. O. New York: D. Appleton & Co., 1886.

## 551.7-551.9 STRATIGRAPHICAL AND STRUCTURAL GEOLOGY

**Geikie, James.** 551.79 P500

<sup>6753</sup> The great ice age and its relation to the antiquity of man. Third edition, largely rewritten. xxviii,850 p. 78 il. 1 pl. 18 maps. O. New York: D. Appleton & Co., 1895.

**Darwin, Charles.** 551.96 O900

<sup>6732</sup> The structure and distribution of coral reefs. Third edition, with an appendix by Prof. T. G. Bonney. xv,344 p. il. 3 maps. O. New York: D. Appleton & Co., 1889.

The appendix is entitled: Summary of the principal contributions to the history of coral reefs since the year 1874.

## 552 PETROGRAPHY

**Merrill, George Perkins.****552 P700**

<sup>5908</sup> A treatise on rocks, rock-weathering and soils. xx,411 p. 42 il. 25 pl. O. New York: Macmillan Co., 1897.

## 553 ECONOMIC GEOLOGY

**Tarr, Ralph Stockman.****553 P300**

<sup>5582</sup> Economic geology of the United States, with briefer mention of foreign mineral products. [Second edition.] xx,[2],525 p. 27 il. 2 pl. 2 tables. O. New York: Macmillan & Co., 1895.

**Phillips, John Arthur.****553.1 P600**

<sup>4648</sup> A treatise on ore deposits. Second edition, rewritten and greatly enlarged by Henry Louis. xxii,[2],943 p. 128 il. O. London: Macmillan & Co., 1896.

**Thorpe, [Thomas Edward], *editor*.****553.2 N800**

<sup>12125</sup> Coal: its history and uses. By Professors Green, Miall, Thorpe, Rücker, and Marshall. xii,363 p. il. O. London: Macmillan & Co., 1878.

Contents: 1-2. The geology of coal. 3. Coal plants. 4. Animals of the coal measures. 5-6. The chemistry of coal. 7. Coal as a source of warmth. 8. Coal as a source of power. 9-10. The coal question.

**Martin, Edward Alfred.****553.2 P600**

<sup>8393</sup> The story of a piece of coal. What it is, whence it comes, and whither it goes. 168 p. 38 il. 1 pl. S. [Library of useful stories.] New York: D. Appleton & Co., 1896.

**Nicolls, William Jasper.****553.23 P700**

<sup>12205</sup> The story of American coals. 405 p. 1 pl. O. Philadelphia: J. B. Lippincott Co., 1897.

**Davies, David Christopher.****553.6 P200**

<sup>13718</sup> A treatise on earthy and other minerals and mining. By D. C. Davies. Third edition, thoroughly revised and enlarged by his son E. Henry Davies. xviii,394 p. 76 il. D. London: C. Lockwood & Son, 1892.

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**Miller, Samuel Almond.****L557 O900**

<sup>1688</sup> North American geology and palæontology. . . . 664 p. 1194 il.  
Q. Cincinnati, Ohio, 1889.

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**Williams, Henry Shaler.****560.2 P500**

<sup>18674</sup> Geological biology. An introduction to the geological history of organisms. xix,395 p. 120 il. O. New York: H. Holt & Co., 1895.

**Woods, Henry.****562 P600**

<sup>13055</sup> Elementary palæontology. Invertebrate. Second edition. xiii, 296 p. 112 il. D. [Cambridge natural science manuals.] Cambridge: University Press, 1896.

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<sup>6809</sup> Extinct monsters. A popular account of some of the larger forms of ancient animal life. With illustrations by J. Smit and others. . . . [Second edition.] xxii,270 p. 59 il. 26 pl. O. New York: D. Appleton & Co., pref. 1893.

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<sup>211</sup> Creatures of other days. xxiv,270 p. 79 il. 22 pl. 2 por. O. New York: D. Appleton & Co., 1894.

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<sup>4498</sup> Biology. Translated from the French. New edition. xi,480 p.  
 83 il. O. London: Chapman & Hall, 1890.
- McAlpine, Daniel, & McAlpine, A. N.** L570.2 O001  
<sup>3629</sup> Biological atlas: a guide to the practical study of plants and animals. . . . With accompanying text containing arrangement and explanation, equivalent terms, glossary and classification. ix,49 p. 24 pl. sq. F. Edinburgh: W. & A. K. Johnston, 1881.
- Sedgwick, William Thompson, & Wilson, Edmund B.** 570.2 O600  
<sup>1539</sup> General biology. Part I. Introductory. vii,193 p. 89 il. O. (American science series.) New York: H. Holt & Co., 1889.
- Parker, Thomas Jeffery.** 570.2 P700  
<sup>8931</sup> Lessons in elementary biology. [Third edition.] xxiii,503 p. 127 il. D. [Macmillan's manuals for students.] London: Macmillan & Co., 1897.
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<sup>17702</sup> The principles of biology. Revised and enlarged edition. 2 vol. il. O. New York: D. Appleton & Co., 1898.  
 Vol. 2 is reprinted from first edition, c. 1867.
- Naturalists' directory.** 570.3 2  
<sup>13090</sup> The Naturalists' directory. Containing the names, addresses, special departments of study, etc., of professional and amateur naturalists, chemists, physicists, astronomers, etc., etc., of the United States and Canada. . . . [1877]. Continued from 1898. D. Boston 1877-.  
 Edited by Samuel E. Cassino.  
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- Stormonth, James.** 570.3 N900  
<sup>1014</sup> A manual of scientific terms: pronouncing, etymological, and explanatory; chiefly comprising terms in botany, natural history, anatomy, medicine, and veterinary science: with an appendix of specific names. . . . Second edition. xi,488 p. D. Edinburgh: J. Thin, 1894.
- Allen, Grant.** 570.4 A425  
<sup>17651</sup> Flashlights on nature. With 150 illustrations by Frederick Enock. viii,312 p. il. D. London: G. Newnes, 1899.

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<sup>10095</sup> Strolls by starlight and sunshine. 194 p. il. 1 pl. Q. New York: Harper & Brothers, 1891.

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<sup>12523</sup> My studio neighbors. x,245 p. il. 1 pl. O. New York: Harper & Brothers, 1898.

**Torrey, Bradford.**

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<sup>18708</sup> A world of green hills. Observations of nature and human nature in the Blue Ridge. [4],285 p. D. Boston: Houghton, Mifflin & Co., 1898.

**Wallace, Alfred Russel.**

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<sup>387</sup> Tropical nature and other essays. xiii,[2],356 p. il. O. London: Macmillan & Co., 1878.

Contents: 1. The climate and physical aspects of the equatorial zone. 2. Equatorial vegetation. 3. Animal life in the tropical forests. 4. Humming-birds: as illustrating the luxuriance of tropical nature. 5. The colours of animals and sexual selection. 6. The colours of plants and the origin of the colour-sense. 7. By-paths in the domain of biology. 8. The distribution of animals as indicating geographical changes.

**Buckley, Arabella Burton, [*afterwards* Fisher].**

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<sup>6540</sup> A short history of natural science and of the progress of discovery from the time of the Greeks to the present day. . . . Fifth edition. xxix,509 p. 74 il. 1 table. D. London: E. Stanford, 1894.

**Darwin, Charles.**

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<sup>31</sup> Journal of researches into the natural history and geology of the countries visited during the voyage of H. M. S. Beagle round the world, under the command of Capt. Fitz Roy. New edition. x, 519 p. O. New York: D. Appleton & Co., 1878.

**Thomson, Sir Charles Wyville.**

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<sup>45</sup> The voyage of the "Challenger." The Atlantic. A preliminary account of the general results of the exploring voyage of H. M. S. "Challenger" during the year 1873 and the early part of the year 1876. 2 vol. il. pl. por. maps, tables. O. New York: Harper & Brothers, 1878.

**Moseley, Henry Nottidge.**

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<sup>3702</sup> Notes by a naturalist on the "Challenger", being an account of various observations made during the voyage of H. M. S. "Challenger" round the world, in the years 1872-1876, . . . . xvi,620 p. il. 2 pl. 1 map. O. London: Macmillan & Co., 1879.



**Agassiz, Alexander.****L570.91 O001**

<sup>457</sup> A contribution to American thalassography. Three cruises of the United States Coast and Geodetic Survey steamer "Blake" in the Gulf of Mexico, in the Caribbean Sea, and along the Atlantic coast of the United States, from 1877 to 1880. 2 vol. il. pl. maps, tables. Q. Boston: Houghton, Mifflin & Co., 1888.

**Belt, Thomas.****570.9728 N300**

<sup>3699</sup> The naturalist in Nicaragua. A narrative of a residence at the gold mines of Chontales; journeys in the savannahs and forests; with observations on animals and plants in reference to the theory of evolution of living forms. Second edition. . . . xxxii, 403 p. il. 4 pl. 1 por. 1 map. D. London: E. Bumpus, 1888.

**Muir, John.****570.9794 P400**

<sup>14226</sup> The mountains of California. xiii, [2], 381 p. il. 1 pl. D. New York: Century Co., 1898.

**Rodway, James.****570.988 P500**

<sup>10922</sup> In the Guiana forest. Studies of nature in relation to the struggle for life. With introduction by Grant Allen. Second edition. xxiii, 242 p. 16 pl. D. London: T. Fisher Unwin, 1895.

**Forbes, Henry O.****570.991 O300**

<sup>1691</sup> A naturalist's wanderings in the Eastern archipelago. A narrative of travel and exploration from 1878 to 1883. xix, [1], 536 p. 65 il. 22 pl. 6 maps. O. New York: Harper & Brothers, 1885.

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**Lubbock, Sir John.****571.02 M900**

<sup>6754</sup> Pre-historic times, as illustrated by ancient remains, and the manners and customs of modern savages. Fifth edition. xxvii, [1], 637 p. 228 il. 3 pl. 1 map. O. London: Williams & Norgate, 1890.

**Clodd, Edward.****571.02 P500**

<sup>7810</sup> The story of "primitive" man. 190 p. 88 il. 1 pl. S. (Library of useful stories.) New York: D. Appleton & Co., 1895.

**Starr, Frederick.****571.02 P502**

<sup>16215</sup> Some first steps in human progress. 305 p. 33 il. 1 pl. D. (Chautauqua Reading Circle literature.) Meadville, Penna.: Flood & Vincent, 1895.

**Hutchinson, Henry Neville.**

**571.02 P600**

<sup>7282</sup> Prehistoric man and beast. xxii,298 p. 10 pl. O. New York: D. Appleton & Co., 1897.

**Haddon, Alfred Cort.**

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<sup>16766</sup> The study of man. xxv,410 p. 40 il. 8 pl. O. [Science series.] New York: G. P. Putnam's Sons, 1898.

Contents: 1. Measurements and their importance in anthropology. 2. Hair and eye colour. 3. Value of head-form in anthropology. 4. The nose. 5. The ethnography of the Dordogne district. 6. The evolution of the cart. 7. The origin of the Irish jaunting car. 8. Toys and games: cat's cradle and kites. 9. Toys and games: tops and the tug-of-war. 10. The bull-roarer. 11. The singing games of children. 12. "London Bridge": foundation sacrifice. 13. "Draw a pail of water": water worship. 14. Courting games. 15. Funeral games. 16. Practical suggestions for conducting ethnographical investigations in the British Islands.

**Windle, Bertram Coghill Alan.**

**571.0942 P700**

<sup>8406</sup> Life in early Britain. Being an account of the early inhabitants of this island and the memorials which they have left behind them. xv,244 p. 67 il. 1 map. D. New York: G. P. Putnam's Sons, 1897.

**Munro, Robert.**

**571.09439 P500**

<sup>3859</sup> Rambles and studies in Bosnia-Herzegovina and Dalmatia. With an account of the proceedings of the Congress of Archæologists and Anthropologists held in Sarajevo, August, 1894. xx,395 p. 144 il. 32 pl. O. Edinburgh: W. Blackwood & Sons, 1895.

**Worsaae, Jens Jacob Asmussen.**

**571.0948 0001**

<sup>12376</sup> The pre-history of the North, based on contemporary memorials. Translated, with a brief memoir of the author, by H. F. Morland Simpson. xxx,206 p. 19 il. 1 map. D. London: Trübner & Co., 1886.

**Worsaae, Jens Jacob Asmussen.**

**571.0948 0200**

<sup>12462</sup> The industrial arts of Denmark from the earliest times to the Danish conquest of England. 2 parts in 1. il. map. D. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, 1882.

**Nadaillac, [Jean François Albert du Pouget,]**

**571.097 0400**

<sup>195</sup> *Marquis de.*

Pre-historic America. Translated by N. d'Anvers. Edited by W. H. Dall. [ix],566 p. 219 il. O. New York: G. P. Putnam's Sons, 1884.

**Haddon, Arthur Cort.****571.7 P500**

- <sup>13062</sup> Evolution in art: as illustrated by the life-histories of designs. xviii,[2],364 p. il. D. [Contemporary science series, vol. 30.] London: W. Scott, 1895.

Contents: Introduction. The decorative art of British New Guinea: as an example of the method of study. The material of which patterns are made. The reasons for which objects are decorated. The scientific method of studying decorative art.

**Grosse, Ernst.****571.7 P700**

- <sup>7639</sup> The beginnings of art. xiv,327 p. 32 il. 3 pl. D. [Anthropological series.] New York: D. Appleton & Co., 1897, pref. 1893.

**Peschel, Oscar.****572.02 N400**

- <sup>199</sup> The races of man, and their geographical distribution. From the German. xiv,[2],528 p. il. O. New York: D. Appleton & Co., 1876.

**Quatrefages [de Bréau], Armand de.****572.02 N700**

- <sup>9465</sup> The human species. x,498 p. D. (International scientific series, vol. 27.) New York: D. Appleton & Co., 1895.

**Taylor, Isaac.****572.02 O900**

- <sup>4186</sup> The origin of the Aryans. An account of the prehistoric ethnology and civilisation of Europe. xi,339 p. 30 il. D. [Contemporary science series.] London: W. Scott, pref. 1889.

Contents: 1. The Aryan controversy. 2. The prehistoric races of Europe. 3. The neolithic culture. 4. The Aryan race. 5. The evolution of Aryan speech. 6. The Aryan mythology.

**Gerland, Georg [Karl Cornelius].****L572.02 P200**

- <sup>4141</sup> Atlas der Völkerkunde. 15 p. 15 maps. F<sup>4</sup>. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 7.) Gotha: J. Perthes, 1892.

**Ratzel, Friedrich.****L572.02 P400**

- <sup>7907</sup> The history of mankind. Translated from the second German edition by A. J. Butler. With an introduction by E. B. Tylor. 3 vol. il. pl. maps. Q. London: Macmillan & Co., 1896-1898.

**Keane, Augustus Henry.****572.02 P600**

- <sup>8591</sup> Ethnology. In two parts: I. Fundamental ethnical problems. II. The primary ethnical groups. Second edition revised. xxx, 442 p. il. O. [Cambridge geographical series.] Cambridge: University Press, 1896.

**Ripley, William Zebina.****572.94 P900**

<sup>19089</sup> The races of Europe. A sociological study. Accompanied by a supplementary bibliography of the anthropology and ethnology of Europe, published by the Public Library of the City of Boston. [2 vol.] il. pl. of por. maps. O. (Lowell Institute lectures.) New York: D. Appleton & Co., 1899.

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"Special list of authorities on acclimatization", [vol. 1], p. 589-590.

**Short, John Thomas.****572.97 N900**

<sup>1013</sup> The North Americans of antiquity. Their origin, migrations, and type of civilization considered. 544 p. il. O. New York: Harper & Brothers, 1880.

**Brinton, Daniel Garrison.****572.97 P100**

<sup>3572</sup> The American race: a linguistic classification and ethnographic description of the native tribes of North and South America. 392 p. O. New York: N. D. C. Hodges, 1891.

**Im Thurn, Everard Ferdinand.****572.988 O300**

<sup>19619</sup> Among the Indians of Guiana. Being sketches chiefly anthropologic from the interior of British Guiana. xvi, 445 p. 43 il. 10 pl. 1 map. O. London: Kegan Paul, Trench, & Co., 1883.

**Tylor, Edward Burnett.****573.02 O100**

<sup>6326</sup> Anthropology. An introduction to the study of man and civilization. xv, 448 p. 78 il. D. (International scientific series, vol. 62.) New York: D. Appleton & Co., 1896, pref. 1881.

**Shaler, Nathaniel Southgate.****573.4 P100**

<sup>4397</sup> Nature and man in America. xiv, 290 p. D. New York: C. Scribner's Sons, 1891.

**575 EVOLUTION****Haeckel, Ernst.****575 N900**

<sup>463</sup> The evolution of man: a popular exposition of the principal points of human ontogeny and phylogeny. From the German. 2 vol. il. pl. O. New York: D. Appleton & Co., 1886.

**Wilson, Andrew, *F. R. S. E.*****575 O200**

<sup>1534</sup> Chapters on evolution. xv, 383 p. 259 il. D. New York: G. P. Putnam's Sons, 1883.

**Eimer, Gustav Heinrich Theodor.****575 O801**

<sup>8177</sup> Organic evolution as the result of the inheritance of acquired characters according to the laws of organic growth. Translated by J. T. Cunningham. xxviii, 435 p. 6 il. O. London: Macmillan & Co., 1890.

**Haeckel, Ernst.****575 O901**

<sup>13824</sup> The history of creation; or, The development of the earth and its inhabitants by the action of natural causes. A popular exposition of the doctrine of evolution in general, and of that of Darwin, Goethe, and Lamarck in particular. From the eighth German edition. The translation revised by E. Ray Lankester. Fourth edition. 2 vol. il. pl. map. O. London: Kegan Paul, ... & Co., 1892.

**Brooklyn Ethical Association.****575 P101**

<sup>8899</sup> Evolution in science, philosophy, and art. Popular lectures and discussions before the Brooklyn Ethical Association. ix, 475 p. 6 il. 3 por. O. New York: D. Appleton & Co., 1891.

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**Weismann, August.****575 P102**

<sup>11226</sup> Essays upon heredity and kindred biological problems. Edited by Edward B. Poulton, Selmar Schönland, and Arthur E. Shipley. Authorised translation. — Second edition. 2 vol. il. D. Oxford: Clarendon Press, 1891–1892.

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<sup>11314</sup> Darwin, and after Darwin. An exposition of the Darwinian theory and a discussion of post-Darwinian questions. . . . 3 vol. il. pl. por. facsim. O. Chicago: Open Court Publishing Co., 1892–1897.

Contents: Vol. 1. The Darwinian theory. Vol. 2. Post-Darwinian questions. Heredity and utility. Vol. 3. Post-Darwinian questions. Isolation and physiological selection. Vol. 2 and 3 edited by C. Lloyd Morgan.

**Clodd, Edward.****575 P401**

<sup>2217</sup> A primer of evolution. viii, 186 p. il. 1 pl. S. New York: Longmans, Green, & Co., 1895.



**Jordan, David Starr.****575 P800**

<sup>16623</sup> Foot-notes to evolution. A series of popular addresses on the evolution of life. With supplementary essays by Edwin Grant Conklin, Frank Mace McFarland, James Perrin Smith. xviii, 392 p. il. 6 pl. D. New York: D. Appleton & Co., 1898.

Contents: 1. The kinship of life. 2. Evolution: what it is and what it is not. 3. The elements of organic evolution. 4. Conklin, E. G. The factors of evolution from the standpoint of embryology. 5. The heredity of Richard Roe. 6. McFarland, F. M. The physical basis of heredity. 7. The distribution of species. 8. Latitude and vertebræ. 9. Smith, J. P. Evolution of fossil cephalopoda. 10. The evolution of the mind. 11. Degeneration. 12. Hereditary inefficiency. 13. The woman of evolution and the woman of pessimism. 14. The stability of truth. 15. The struggle for realities.

**Weismann, August.****575.1 N500**

<sup>482</sup> Studies in the theory of descent. With notes and additions by the author. Translated and edited, with notes, by Raphael Meldola. With a prefatory notice by Charles Darwin. 2 vol. paged continuously; vol. 1: xxxvi, 1-400 p.; vol. 2: 401-729 p.; pl. O. London: Sampson Low, ... , & Rivington, 1882.

Contents: On the seasonal dimorphism of butterflies. — On the final causes of transformation: 1. The origin of the markings of caterpillars. 2. On phyletic parallelism in metamorphic species. 3. The transformation of the Mexican axolotl into amblystoma. 4. On the mechanical conception of nature.

**Romanes, George John.****575.1 O600**

<sup>16310</sup> An examination of Weismannism. ix, 221 p. 1 por. O. Chicago: Open Court Publishing Co., 1893.

Contents: 1. Statement of Weismann's system up to the year 1886. 2. Later additions to Weismann's system up to the year 1892. 3. Weismann's Theory of heredity (1891). 4. Examination of Weismann's Theory of evolution. 5. Weismannism up to date (1893). Appendix 1. On germ-plasm. 2. On telegony.

**Galton, Francis.****575.1 O900**

<sup>9413</sup> Natural inheritance. ix, [2], 259 p. 16 il. O. London: Macmillan & Co., 1889.

**Weismann, August.****575.1 P201**

<sup>12296</sup> The germ-plasm: a theory of heredity. Translated by W. Newton Parker, and Harriet Rönnfeldt. xxii, [2], 477 p. 24 il. D. [Contemporary science series, vol. 22.] London: W. Scott, 1893.

**Darwin, Charles.****575.2 N600**

<sup>15</sup> The variation of animals and plants under domestication. Second edition, revised. ... . 2 vol. il. O. New York: D. Appleton & Co., 1876.

Contains a chapter: The provisional hypothesis of pangenesis.

**Wallace, Alfred Russel.****575.4 N100**

<sup>392</sup> Contributions to the theory of natural selection. A series of essays. Second edition, with corrections. . . . xvi,384 p. D. London: Macmillan & Co., 1871.

**Wallace, Alfred Russel.****575.4 O900**

<sup>1557</sup> Darwinism. An exposition of the theory of natural selection, with some of its applications. xvi,494 p. 37 il. 1 por. 1 map. D. London: Macmillan & Co., 1889.

**Darwin, Charles.****575.5 N400**

<sup>161</sup> The descent of man, and selection in relation to sex. Second edition, revised . . . . xvi,688 p. 78 il. D. London: J. Murray, 1874.

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**Hertwig, Oscar.****576.3 P200**

<sup>12849</sup> The cell. Outlines of general anatomy and physiology. Translated by M. Campbell, and edited by Henry Johnstone Campbell. xvi,368 p. 168 il. O. London: Swan Sonnenschein & Co., 1895.  
"Literature," at the end of each chapter.

**Wilson, Edmund Beecher.****576.3 P600**

<sup>5632</sup> The cell in development and inheritance. xvi,371 p. 142 il. O. (COLUMBIA UNIVERSITY. Biological series, vol. 4.) New York: Macmillan Co., 1896.

With bibliographical references at the end of each chapter.

## 578 MICROSCOPY

**Stokes, Alfred Cheatham.****578.02 P400**

<sup>19079</sup> Microscopical praxis: or, Simple methods of ascertaining the properties of various microscopical accessories. xv,244 p. il. 1 pl. D. Portland, Conn.: E. F. Bigelow, 1894.

**Griffith, John William, & Henfrey, Arthur.****578.03 O300**

<sup>13691</sup> The micrographic dictionary; a guide to the examination and investigation of the structure and nature of microscopic objects. Fourth edition. Edited by J. W. Griffith, assisted by the Rev. M. J. Berkeley, and T. Rupert Jones. 2 vol. in 1. il. pl. O. London: J. Van Voorst, 1883.

Vol. 1, text; vol. 2, plates.

**Zimmermann, Albrecht.**

578.8 P300

- <sup>12093</sup> Botanical microtechnique. A hand-book of methods for the preparation, staining, and microscopical investigation of vegetable structures. Translated from the German by James Ellis Humphrey. xii,296 p. 63 il. O. New York: H. Holt & Co., 1893.  
"Literature", p. 265-283.

**Lee, Arthur Bolles.**

578.9 P601

- <sup>9379</sup> The microtome's vade-mecum. A hand book of the methods of microscopic anatomy. Fourth edition. xii,536 p. O. London: J. & A. Churchill, 1896.

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580.2 N800

- <sup>2263</sup> An elementary course of botany, structural, physiological, and systematic. Third edition. By Maxwell T. Masters. xv,741 p. 618 il. D. London: J. Van Voorst, 1878.

**Gray, Asa.**

580.2 N901

- <sup>16702</sup> Structural botany, or, Organography on the basis of morphology. To which is added the principles of taxonomy and phytography, and a glossary of botanical terms. (Sixth edition.) xii,442 p. 695 il. O. (Gray's botanical text-book, vol. 1.) New York: American Book Co., c. 1879.

**Behrens, Wilhelm Julius.**

580.2 O200

- <sup>17672</sup> Text-book of general botany. Translation from the second German edition. Revised by Patrick Geddes. viii,374 p. 408 il. 4 tables. O. Edinburgh: Y. J. Pentland, 1885.

**Kerner von Marilaun, Anton.**

L580.2 O700

- <sup>6308</sup> The natural history of plants: their forms, growth, reproduction, and distribution. Translated and edited by F. W. Oliver, with the assistance of Marian Busk and Mary F. Ewart. 2 vol. in 4. il. pl. Q. New York: H. Holt & Co., 1895.

**Gray, Asa.**

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- <sup>13026</sup> Gray's Lessons in botany. Revised edition. The elements of botany for beginners and for schools. 226 p. 589 il. O. New York: American Book Co., c. 1887.

Published with Gray, A. Field, forest, and garden botany, under the title: Gray's school and field book of botany.

**Gray, Asa.****580.2 O702**

<sup>13027</sup> Field, forest and garden botany. A simple introduction to the common plants of the United States east of the 100th meridian, both wild and cultivated. Revised and extended by L. H. Bailey. 519 p. O. New York: American Book Co., c. 1895.

Published with Gray, A. Gray's Lessons in botany, under the title: Gray's school and field book of botany.

**[Moore], Jane Hancox, [born] Newell.****580.2 O800**

<sup>16937</sup> Outlines of lessons in botany. For the use of teachers, or mothers studying with their children. By Jane H. Newell. Illustrated by H. P. Symmes. 2 vol. il. pl. D. Boston, U. S. A.: Ginn & Co., 1893-1898.

Vol. 1 published in 1898, c. 1888.

**Aveling, Edward [Bibbins].****580.2 P100**

<sup>4520</sup> An introduction to the study of botany. With a glossary of over 600 words. iv, 363 p. 271 il. D. [Introductory science textbooks.] London: Swan Sonnenschein & Co., 1891.

**Strasburger, Eduard, & others.****580.2 P500**

<sup>13960</sup> A text-book of botany by Dr. E. Strasburger, Dr. Fritz Noll, Dr. H. Schenck, Dr. A. F. W. Schimper. Translated from the German by H. C. Porter. ix, [1], 632 p. 594 il. O. London: Macmillan & Co., 1898.

**Hooker, Sir Joseph Dalton.****580.2 P600**

<sup>4872</sup> Botany. Third edition, revised and corrected. 129 p. 68 il. S. (Science primers, no. 8.) New York: American Book Co., [1896].

**Loudon, [John Claudius].****580.3 L500**

<sup>4338</sup> Loudon's encyclopædia of plants; comprising the specific character, description, culture, history, application in the arts, and every other desirable particular respecting all the plants indigenous to, or introduced into Britain. Edited by Mrs. Loudon, assisted by George Don and David Wooster. . . . xxii, 1574 p. il. O. London: Longmans, Green, & Co., 1880.

**Allen, Grant.****580.4 A425**

<sup>6593</sup> Flowers and their pedigrees. [6], 266 p. 54 il. D. New York: D. Appleton & Co., 1884.

## 581-581.8 PHYSIOLOGY AND ANATOMY

**Sachs, Julius von.**

581 O200

- <sup>10730</sup> Outlines in classification and special morphology of plants. By Dr. K. Goebel. A new edition of Sachs' Text-book of botany, book II. Authorised English translation by Henry E. F. Garnsey. Revised by Isaac Bayley Balfour. xii,515 p. 407 il. O. Oxford: Clarendon Press, 1887.

**Sachs, Julius von.**

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- <sup>13828</sup> Text-book of botany, morphological and physiological. Edited, with an appendix, by Sidney H. Vines. Second edition. xii, 980 p. 492 il. O. Oxford: Clarendon Press, 1882.

**Massee, George.**

581 P100

- <sup>4497</sup> The plant world: its past, present, and future. An introduction to the study of botany. x,212 p. 56 il. D. [Whittaker's library of popular science.] London: Whittaker & Co., 1891.

**Massee, George.**

581 P101

- <sup>5293</sup> The evolution of plant life. Lower forms. viii,242 p. 38 il. D. [University extension series.] London: Methuen & Co., 1891.

**Allen, Grant.**

581 P600

- <sup>6059</sup> The story of the plants. 213 p. 49 il. S. [Library of useful stories.] New York: D. Appleton & Co., 1896.

**Arthur, Joseph Charles, & MacDougal, Daniel Trembly.** 581 P800

- <sup>11578</sup> Living plants and their properties. A collection of essays. ix, 234 p. il. 1 pl. O. New York: Baker & Taylor, 1898.

**Coulter, John Merle.**

581 P900

- <sup>80030</sup> Plant relations. A first book of botany. vii,264 p. 206 il. O. (Twentieth century text-book.) New York: D. Appleton & Co., 1899.

**Darwin, Francis, & Acton, E. Hamilton.**

581.1 P500

- <sup>9196</sup> Practical physiology of plants. Second edition. xix,[3],340 p. 45 il. D. [Cambridge natural science manuals. Biological series.] Cambridge: University Press, 1895.

**Detmer, Wilhelm.**

581.1 P501

- <sup>18777</sup> Practical plant physiology. An introduction to original research for students and teachers of natural science, medicine, agriculture and forestry. Translated from the second German edition by S. A. Moor. xix,555 p. 184 il. O. London: Swan Sonnenschein & Co., 1898.



- Darwin, Charles.** 581.13 N500  
<sup>16</sup> Insectivorous plants. x,462 p. 30 il. O. New York: D. Appleton & Co., 1875.
- Allen, Grant.** 581.157 O200  
<sup>17534</sup> The colours of flowers as illustrated in the British flora. vi,119 p. 45 il. D. (Nature series.) London: Macmillan & Co., 1882.
- Darwin, Charles.** 581.17 O100  
<sup>14559</sup> The power of movement in plants. By Charles Darwin, assisted by Francis Darwin. x,592 p. 196 il. O. New York: D. Appleton & Co., 1897.
- Ward, Harry Marshall.** 581.23 O900  
<sup>12502</sup> Diseases of plants. . . . [4],196 p. 53 il. S. (Romance of science.) London: Society for Promoting Christian Knowledge, 1896.
- Bary, Anton de.** 581.4 N700  
<sup>4337</sup> Comparative anatomy of the vegetative organs of the phanerogams and ferns. Translated and annotated by F. O. Bower and D. H. Scott. xvi,659 p. 241 il. O. Oxford: Clarendon Press, 1884. .
- Darwin, Charles.** 581.5 N600  
<sup>14</sup> The movements and habits of climbing plants. Second edition, revised. viii,208 p. 13 il. O. New York: D. Appleton & Co., 1876.
- Taylor, John Ellor.** 581.5 O400  
<sup>8946</sup> The sagacity & morality of plants. A sketch of the life & conduct of the vegetable kingdom. A new edition. xi,311 p. 100 il. 1 pl. D. London: Chatto & Windus, 1891.
- Candolle, Alphonse de.** 581.6 O200  
<sup>43</sup> Origin of cultivated plants. viii,[2],468 p. D. (International scientific series, vol. 48.) New York: D. Appleton & Co., 1885.
- Smith, John.** 581.61 O200  
<sup>17880</sup> A dictionary of popular names of the plants which furnish the natural and acquired wants of man, in all matters of domestic and general economy. Their history, products, & uses. ix,457 p. O. London: Macmillan & Co., 1882.
- Strasburger, Eduard.** 581.8 O900  
<sup>7774</sup> Handbook of practical botany. . . . Edited from the German by W. Hillhouse. Revised by the author and with many additional notes by author and editor. [Fourth edition.] xxiv,425 p. 116 il. O. London: Swan Sonnenschein & Co., 1897.

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**Drude, Oscar.****L581.9 O700**

<sup>12791</sup> Atlas der Pflanzenverbreitung. 6 p. 8 maps. F<sup>4</sup>. (BERGHAUS' PHYSIKALISCHER ATLAS. [Dritte Ausgabe.] Abteilung 5.) Gotha: J. Perthes, 1887.

**Newhall, Charles Stedman.****581.97 P300**

<sup>6345</sup> The shrubs of northeastern America. 249 p. il. O. New York: G. P. Putnam's Sons, 1895.

**Gray, Asa, & others.****L581.97 P500**

<sup>17528</sup> Synoptical flora of North America: vol. I.—Part I. Fascicles I and II. Polypetalæ from the ranunculaceæ to the polygalaceæ. (Thalamifloræ et discifloræ.) Edited by Benjamin Lincoln Robinson. 1895–1897. xv,506 p. Q. New York: American Book Co. c. 1895–1897.

**Britton, Nathaniel Lord, & Brown, Addison.****L581.97 P600**

<sup>5636</sup> An illustrated flora of the northern United States, Canada, and the British possessions, from Newfoundland to the parallel of the southern boundary of Virginia, and from the Atlantic Ocean westward to the 102d meridian. . . . 3 vol. il. Q. New York: C. Scribner's Sons, 1896–1898.

**Newhall, Charles Steadman.****581.97 P700**

<sup>10230</sup> The vines of northeastern America. xxx,207 p. il. O. New York: G. P. Putnam's Sons, 1897.

**Newhall, Charles Stedman.****581.974 P001**

<sup>4465</sup> The trees of northeastern America. Illustrations from original sketches. With an introductory note by Nath. L. Britton. xiv, 250 p. il. O. New York: G. P. Putnam's Sons, 1895, c. 1890.

## 582-589 SYSTEMATIC BOTANY

**Apgar, Austin Craig.****582 P200**

<sup>1723</sup> Trees of the northern United States. Their study, description and determination. For the use of schools . . . . 224 p. il. D. New York: American Book Co., c. 1892.

**Bennett, Alfred William, & Murray, George.****586 O900**

<sup>12727</sup> A handbook of cryptogamic botany. viii,473 p. 382 il. O. London: Longmans, Green, and Co., 1889.

"Literature" for each class.

**Campbell, Douglas Houghton.** 586 P500

<sup>4460</sup> The structure & development of the mosses & ferns (archegoniatae). viii,544 p. 266 il. O. London: Macmillan & Co., 1895.  
Contains a bibliography.

**Underwood, Lucien Marcus.** 589 P900

<sup>20013</sup> Moulds, mildews and mushrooms. A guide to the systematic study of the fungi and mycetozoa and their literature. v,236 p. 10 pl. D. New York: H. Holt & Co., 1899.

With bibliographical references for each order.

"The geographic distribution of American fungi," with bibliographical references, p. 165-200.

**Schneider, Albert.** 589.1 P800

<sup>17784</sup> A guide to the study of lichens. xii,[2],234 p. 11 pl. D. Boston: B. Whidden, 1898.

**Cooke, Mordecai Cubitt.** 589.2 N400

<sup>570</sup> Fungi: their nature and uses. Edited by the Rev. M. J. Berkeley. xii,299 p. 109 il. D. (International scientific series, vol. 15.) New York: D. Appleton & Co., 1880.

**Gibson, William Hamilton.** 589.22 P500

<sup>6310</sup> Our edible toadstools and mushrooms and how to distinguish them. A selection of thirty native food varieties ... , with simple rules for the identification of poisonous species. x,[2],337 p. il. 30 pl. O. New York: Harper & Brothers, 1895.

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## 589.9 BACTERIOLOGY

**Jørgensen, Alfred.** 589.9 P200

<sup>4970</sup> Micro-organisms and fermentation. New edition. Translated from the re-written and much enlarged third edition in German by Alex. K. Miller and E. A. Lennholm, and revised by the author. viii,257 p. 56 il. O. London: F. W. Lyon, 1893.

Contains a bibliography of bacteriology.

**Woodhead, German Sims.** 589.95 P100

<sup>75</sup> Bacteria and their products. With ... an appendix giving a short account of bacteriological methods, and a diagnostic description of the common bacteria. xiii,459 p. 20 il. D. [Contemporary science series.] New York: Scribner & Welford, 1891.

**Migula, Walther.****589.95 P200**

<sup>6730</sup> An introduction to practical bacteriology for physicians, chemists and students. Translated by M. Campbell and edited by H. J. Campbell. viii, 247 p. il. D. [Introductory science text-books.] London: Swan Sonnenschein & Co., 1893.

**Sternberg, George Miller.****589.95 P301**

<sup>11040</sup> A manual of bacteriology. xii, 886 p. 268 il. 8 pl. O. New York: W. Wood & Co., 1893.  
 "Bibliography," p. 769-876.

**Conn, Herbert William.****589.95 P706**

<sup>9686</sup> The story of germ life. 199 p. 34 il. S. [Library of useful stories.] New York: D. Appleton & Co., 1897.

**590 ZOOLOGY****590.1-590.9 GENERAL WORKS****Agassiz, Louis.****590.1 M300**

<sup>8082</sup> Methods of study in natural history. Twenty-first edition. viii, 319 p. il. O. Boston: Houghton, Mifflin & Co., 1893.

**Brooks, William Keith.****590.1 P900**

<sup>17885</sup> The foundations of zoölogy. [A course of lectures delivered at Columbia University on the principles of science as illustrated by zoology.] viii, 339 p. O. (COLUMBIA UNIVERSITY. Biological series, vol. 5.) New York: Macmillan Co., 1899.

Contents: 1. Introductory. 2. Huxley, and the problem of the naturalist. 3. Nature and nurture. 4. Lamarck. 5. Migration in its bearings on Lamarckism. 6, part I. Zoölogy, and the philosophy of evolution. 6, part II. A note on the views of Galton and Weismann on inheritance. 7. Galton, and the statistical study of inheritance. 8. Darwin, and the origin of species. 9. Natural selection, and the antiquity of life. 10. Natural selection and natural theology. 11. Paley, and the argument from contrivance. 12. The mechanism of nature. 13. Louis Agassiz and George Berkeley.

**Claus, Carl.****590.2 N900**

<sup>8243</sup> Elementary text-book of zoology. Special part: Mollusca to man. Translated and edited by Adam Sedgwick, with the assistance of F. G. Heathcote. [Sixth edition.] 352 p. 215 il. O. London: Swan Sonnenschein & Co., 1897.

**Brehm, Alfred Edmund.****L590.2 P001**

<sup>12570</sup> Brehms Tierleben. Allgemeine Kunde des Tierreichs. Dritte, gänzlich neubearbeitete Auflage. Von Prof. Dr. Pechuel-Loesche. . . . 10 vol. and index. il. pl. por. maps. Q. Leipzig: Bibliographisches Institut, 1890-[1897].

Contents: Vol. 1-3. Brehm, A. E. Die Säugetiere. Unter Mitwirkung von Dr. Wilh. Haacke neubearbeitet von Professor Dr. Pechuel-Loesche. Vol. 4-6. Brehm, A. E. Die Vögel. Unter Mitwirkung von Dr. Wilh. Haacke neubearbeitet von Professor Dr. Pechuel-Loesche. Vol. 7. Brehm, A. E. Die Kriechtiere und Lurche. Neubearbeitet von Professor Dr. O. Boettger und Professor Dr. Pechuel-Loesche. Vol. 8. Brehm, A. E. Die Fische. Unter Mitwirkung von Dr. Wilh. Haacke neubearbeitet von Professor Dr. Pechuel-Loesche. Vol. 9. Taschenberg, E. L. Die Insekten, Tausendfüßer und Spinnen. Vol. 10. Schmidt, O. Die niederen Tiere. Neubearbeitet von Professor Dr. W. Marshall.

**Packard, Alpheus Spring.****590.2 P200**

<sup>6030</sup> Zoology for high schools and colleges. Ninth edition, revised. viii, 722 p. 545 il. 19 pl. O. (American science series.) New York: H. Holt & Co., 1895.

**Thomson, J. Arthur.****590.2 P201**

<sup>9086</sup> The study of animal life. Third edition. xii, 375 p. 71 il. D. [University extension manuals.] New York: C. Scribner's Sons, 1896.

"Some of the 'best books' on animal life", p. 351-369.

**Lydekker, Richard, & others.****590.2 P701**

<sup>9442</sup> The concise knowledge natural history. [The animal kingdom.] By R. Lydekker; R. Bowdler Sharpe; W. F. Kirby; W. Garstang; B. B. Woodward; F. A. Bather; R. Kirkpatrick; R. I. Pocock; and H. M. Bernard. xvi, 771 p. 530 il. O. [Concise knowledge library.] London: Hutchinson & Co., 1897.

**Parker, Thomas Jeffery, & Haswell, William A.****590.2 P702**

<sup>15713</sup> A text-book of zoology. 2 vol. il. O. London: Macmillan & Co., 1897.

"Guide to modern zoological literature," vol. 2, p. 651-655.

**Sedgwick, Adam, M. A.****590.2 P800**

<sup>15864</sup> A student's text-book of zoology. Vol. 1-. il. O. London: Swan Sonnenschein & Co., 1898-.

**Lydekker, Richard.****590.4 L98**

<sup>13805</sup> Phases of animal life, past and present. [6], 248 p. 82 il. D. London: Longmans, Green, & Co., 1892.



**Mivart, St. George.**

590.4 M69

<sup>12120</sup> American types of animal life. viii,374 p. 103 il. D. Boston: Little, Brown & Co., 1894.

**Furneaux, William S.**

590.7 P600

<sup>6029</sup> Life in ponds and streams. 406 p. 311 il. 8 pl. D. London: Longmans, Green, & Co., 1896.

**Bateman, Gregory C.**

590.7 P700

<sup>10853</sup> The vivarium, being a practical guide to the construction, arrangement, and management of vivaria, containing full information as to all reptiles suitable as pets, how and where to obtain them, and how to keep them in health. [4],424 p. il. 6 pl. D. London: L. U. Gill, pref. 1897.

**Audubon, Maria R.**

590.9205 A9161

<sup>11981</sup> Audubon and his journals. With zoölogical and other notes by Elliott Coues. 2 vol. pl. por. facsim. O. New York: C. Scribner's Sons, 1897.

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**Morgan, Conway Lloyd.**

591 P100

<sup>9271</sup> Animal life and intelligence. [Second edition.] xvi,512 p. 40 il. 1 pl. O. London: E. Arnold, 1891.

**Griffiths, Arthur Bower.**

591.1 P200

<sup>138</sup> The physiology of the invertebrata. xvi,477,[1] p. 81 il. O. New York: D. Appleton & Co., 1892.

**Verworn, Max.**

591.1 P701

<sup>19758</sup> General physiology. An outline of the science of life. Translated from the second German edition and edited by Frederic S. Lee. xvi,615 p. 285 il. O. London: Macmillan & Co., 1899.  
"Bibliography," p. 589-599.

**Marey, Etienne Jules.**

591.17 O900

<sup>1226</sup> Movement. Translated by Eric Pritchard. xv,323 p. 204 il. D. (International scientific series, vol. 73.) New York: D. Appleton & Co., 1895.

**M'Kendrick, John Gray, & Snodgrass, William.**

591.18 P300

<sup>3309</sup> The physiology of the senses. xx,318 p. 127 il. D. (University extension manuals.) New York: C. Scribner's Sons, 1893.

**Halliburton, William Dobinson.**

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Sleep: its physiology, pathology, hygiene, and psychology. By Marie de Manacéine. vii, [1], 341 p. il. D. [Contemporary science series, vol. 34.] London: W. Scott, 1897.

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**Richardson, Sir Benjamin Ward.** 613.81 O300

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**Sykes, John Frederick Joseph.** 614.02 P200

<sup>17661</sup> Public health problems. xii, 370 p. il. 1 map. D. [Contemporary science series, vol. 20.] London: W. Scott, 1892.

**Notter, James Lane, & Firth, R. H.** 614.02 P600

<sup>6557</sup> The theory and practice of hygiene. xv, [1], 1034 p. 135 il. 10 pl. O. London: J. & A. Churchill, 1896.

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**London. International Health Exhibition, 1884.** 614.06 1

<sup>16987</sup> [Handbooks. 6 vol.] il. pl. maps, tables. O. [London 1884.]

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**American Public Health Association.** 614.48 O700

<sup>18565</sup> *Committee on Disinfectants.*

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**Hill, Charles Thaxter.** 614.84 P700

<sup>13227</sup> Fighting a fire. xiii, [2], 246 p. il. 1 pl. D. New York: Century Co., 1897.

**Doty, Alvah Hunt.** 614.88 P400

<sup>12437</sup> A manual of instruction in the principles of prompt aid to the injured. Including a chapter on hygiene and the drill regulations for the hospital corps, U. S. A. Designed for military and civil use. Second edition, revised and enlarged. xvi, 304 p. 167 il. 2 pl. D. New York: D. Appleton & Co., 1898.

## 615 MATERIA MEDICA

**National Convention for Revising the Pharmacopœia.** 615.11 P300

<sup>11708</sup> The pharmacopœia of the United States of America. Seventh decennial revision (1890). By authority of the National Convention for Revising the Pharmacopœia held at Washington, A. D. 1890. Official from January 1st, 1894. Published by the Committee of Revision. lix, 602 p. O. Philadelphia: P. Blakiston, Son & Co., 1893.



**Wood, George Bacon, & Bache, Franklin.**

**L615.12 P400**

<sup>11683</sup> The dispensatory of the United States of America. Seventeenth edition. Thoroughly revised and largely rewritten. By H. C. Wood, Joseph P. Remington, and Samuel P. Sadtler. xlv, 1930 p. il. Q. Philadelphia: J. B. Lippincott Co., 1898.

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**615.13 P300**

<sup>15148</sup> The Era formulary. 5000 formulas for druggists. A collection of original and prize formulas, to which has been added a selection of formulas from standard authorities in the English, French and German, for application in pharmacy, in the household and the industries; . . . First edition. . . . Compiled and edited by the Pharmaceutical era. viii, 462 p. O. New York: D. O. Haynes & Co., c. 1893.

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<sup>15090</sup> Non-secret formulas. A collection of . . . formulas and . . . prize prescriptions for the use of physicians and druggists, to which has been added a selection of . . . original formulas for toilet articles, perfumery and articles of household use, . . . First edition. v, 513 p. O. St. Louis 1897.

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**Solly, Samuel Edwin.**

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<sup>18920</sup> A handbook of medical climatology. Embodying its principles and therapeutic application with scientific data of the chief health resorts of the world. 470 p. il. 11 maps. O. Philadelphia: Lea Brothers & Co., 1897.

## 617 DENTISTRY

**Polk & Co., R. L., *publishers.***

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<sup>14127</sup> R. L. Polk & Co.'s dental register of the United States and Canada. Comprising list of dentists arranged by states and provinces, giving postoffice address with population and location, date and college of graduation. The various dental societies, dental colleges, a synopsis of the laws of registration, and other laws relating to the profession . . . Dental journals with names of editors, frequency of publication and subscription rates, and an index . . . arranged alphabetically. . . . 1898-99. Third edition. 976 p. O. Detroit, c. 1898.

## 620 ENGINEERING

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**Lanza, Gaetano.****620.1 P001**

<sup>20404</sup> Applied mechanics. Seventh edition, revised. . . . viii,929 p.  
310 il. O. New York: J. Wiley & Sons, 1899, c. 1885.

**Handbuch.****L620.2 O300**

<sup>11804</sup> Handbuch der Ingenieurwissenschaften. . . . Zweite vermehrte  
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mann, 1885-.

Vol. 1 published in 1887.

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**Sonne, Eduard, *editor*.****L620.2 O300**

<sup>7997</sup> Vorarbeiten, Erd-, Strassen-, Grund- und Tunnelbau, sowie Kon-  
struktion der Stütz- und Futtermauern. Dritte Abteilung: Erd-  
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**Rankine, William John Macquorn.****620.2 P700**

<sup>14581</sup> A manual of civil engineering. Twentieth edition, thoroughly  
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& Co., 1898.

**Byrne, Oliver, & Spon, Ernest, *editors*.****L620.3 N400**

<sup>1315</sup> Spons' dictionary of engineering, civil, mechanical, military, and  
naval: with technical terms in French, German, Italian, and Span-  
ish. 3 vol. il. tables. Q. New York: E. & F. N. Spon, 1874.

**Harcourt, Leveson Francis Vernon-.****620.9 P100**

<sup>305</sup> Achievements in engineering during the last half century. Sec-  
ond edition. vi,[2],311 p. 10 il. 12 pl. 1 por. O. New York:  
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## 621 MECHANICAL ENGINEERING

**Barber, Thomas Walter.**

621.004 P700

<sup>9289</sup> The engineer's sketch-book of mechanical movements, devices, appliances, contrivances, and details employed in the design and construction of machinery for every purpose, classified & arranged for reference for the use of ... all engaged in the mechanical arts. Third edition, considerably enlarged. 335 p. 2603 il. O. London: E. & F. N. Spon, 1897.

**Peabody, Cecil Hobart.**

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<sup>18071</sup> Thermodynamics of the steam-engine and other heat engines. Fourth edition, rewritten ... v,522 p. 97 il. O. New York: J. Wiley & Sons, 1898.

**Weisbach, Julius.**

621.02 N500

<sup>13576</sup> Lehrbuch der Ingenieur- und Maschinen-Mechanik. Mit den nöthigen Hülfslehren aus der Analysis für den Unterricht an technischen Lehranstalten sowie zum Gebrauche für Techniker bearbeitet. Fünfte verbesserte und vervollständigte Auflage bearbeitet von Gustav Hermann. ... Vol. 1-. il. pl. O. Braunschweig: F. Vieweg & Sohn, 1876-.

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**Unwin, William Cawthorne.**

621.02 P001

<sup>18933</sup> The elements of machine design. ... Sixteenth impression, (revised and enlarged in 1890). 2 vol. il. D. [Text-books of science.] London: Longmans, Green, & Co., 1897-1898.

Contents: Vol. 1. General principles, fastenings, and transmissive machinery. Vol. 2. Chiefly on engine details.

Vol. 2, published in 1897, is in fourteenth edition, revised and enlarged, 1891.

**Carpenter, Rolla Clinton.**

621.02 P200

<sup>12583</sup> A text-book of experimental engineering. For engineers and for students in engineering laboratories. xx,709 p. 250 il. 2 pl. O. New York: J. Wiley & Sons, 1892.

The present work is a third edition of "Notes to mechanical laboratory practice," published in 1890.

**Rankine, William John Macquorn.**

621.02 P300

<sup>11134</sup> A manual of machinery and millwork. Seventh edition, thoroughly revised, by W. J. Millar. xvi,601 p. il. O. London: C. Griffin & Co., 1893.

**Horner, Joseph G.****621.02 P301**

<sup>11268</sup> The principles of fitting. For apprentices, and students in technical schools. By a foreman pattern maker. And including a number of useful shop notes and memoranda. x,313 p. il. 5 pl. D. [Whittaker's library of arts, sciences & industries.] London: Whittaker & Co., [1893].

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<sup>12699</sup> The repair and maintenance of machinery. A handbook of practical notes and memoranda for engineers and machinery users. x,466 p. 417 il. O. London: E. & F. N. Spon, 1895.

**Jamieson, Andrew.****621.02 P602**

<sup>14273</sup> A text-book of applied mechanics. Specially arranged for the use of Science and Art, City and Guilds of London Institute, and other engineering students. Second edition. 2 vol. il. pl. table. O. [Griffin's scientific text-books.] London: C. Griffin & Co., 1896-1897.

**Rankine, William John Macquorn.****621.02 P702**

<sup>11245</sup> A manual of the steam engine and other prime movers. Fourteenth edition, revised. By W. J. Millar. xxxii,638 p. il. 2 pl. 1 table. D. London: C. Griffin & Co., 1897.

**Hiscox, Gardner Dexter.****621.02 P901**

<sup>18523</sup> Mechanical movements. Powers, devices and appliances used in constructive and operative machinery and the mechanical arts. For the use of inventors, ... and all others interested in any way in mechanics. [4],402 p. 1649 il. O. New York: Munn & Co., 1899.

**Clark, Daniel Kinnear.****L621.1 P001**

<sup>4351</sup> The steam engine: a treatise on steam engines and boilers. ... . 2 vol. in 4. il. pl. tables. Q. London: Blackie & Son, 1890.

**Rose, Joshua.****L621.1 P303**

<sup>18136</sup> Modern steam engines: an elementary treatise upon the steam engine, written in plain language, for use in the workshop as well as in the drawing office. Giving full explanations of the construction of modern steam engines; including diagrams showing their actual operation; together with complete but simple explanations of the operations of various kinds of valves, valve motions, and link motions, etc. ... . New edition, revised and improved. 357 p. il. 1 pl. sq. F. Philadelphia: H. C. Baird & Co., 1897.

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<sup>11264</sup> A text-book on steam and steam engines. Specially arranged for the Science and Art, City and Guilds of London Institute, and other engineering students. Twelfth edition. xiv,468 p. il. 7 pl. D. [Griffin's scientific text-books.] London: C. Griffin & Co., 1897.

**Stretton, Clement E.**

**621.13 P604**

<sup>17683</sup> The locomotive engine and its development. A popular treatise on the gradual improvements made in railway engines between 1803 and 1896. Fifth edition, revised and enlarged. xii,252 p. il. 9 pl. 1 por. 2 tables. D. [Weale's scientific & technical series.] London: C. Lockwood & Son, 1896.

**Thurston, Robert Henry.**

**621.18 0701**

<sup>4867</sup> Steam boiler explosions, in theory and in practice. Second edition. viii,174 p. 63 il. D. New York: J. Wiley & Sons, 1888.

**Peabody, Cecil Hobart, & Miller, Edward F.**

**621.18 P700**

<sup>7812</sup> Steam boilers. First edition. . . . vi,380 p. 140 il. 5 pl. O. New York: J. Wiley & Sons, 1897.

**Bodmer, G. R.**

**621.2 P500**

<sup>9065</sup> Hydraulic motors: turbines and pressure engines. . . . Second edition, revised and enlarged. xii,[2],551 p. il. 11 pl. 9 tables. O. (Specialists' series.) New York: D. Van Nostrand Co., 1895.

**Blaine, Robert Gordon.**

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<sup>8157</sup> Hydraulic machinery. With an introduction to hydraulics. vii, 383 p. il. 7 pl. 1 por. O. [Finsbury technical manuals.] London: E. & F. N. Spon, 1897.

**Wood, De Volson.**

**621.24 P600**

<sup>11598</sup> Turbines, theoretical and practical, with numerical examples and experimental results. Second edition, revised and enlarged. [4],152 p. il. 45 pl. O. New York: J. Wiley & Sons, 1896.

**Donkin, Bryan.**

**621.4 P600**

<sup>5134</sup> A text-book on gas, oil, and air engines; or, Internal combustion motors without boiler. Second edition, revised and largely rewritten. xxiv,500 p. 154 il. O. London: C. Griffin & Co., 1896.



**Hiscox, Gardner Dexter.****621.4 P700**

<sup>8388</sup> Gas, gasoline, and oil vapor engines. . . . Illustrating their design, construction, and operation for stationary, marine, and vehicle motive power. . . . vi,279 p. 206 il. O. New York: N. W. Henley & Co., 1897.

**Richards, Frank.****621.5 P500**

<sup>10726</sup> Compressed air. Practical information upon air-compression and the transmission and application of compressed air. First edition. . . . v,203 p. 25 il. 1 table. D. " New York: J. Wiley & Sons, 1897.

**Tayler, A. J. Wallis.****621.5 P701**

<sup>19560</sup> Refrigerating and ice-making machinery. A descriptive treatise for the use of persons employing refrigerating and ice-making installations, and others. Second edition, with additions. xviii, 280 p. il. 4 pl. D. London: C. Lockwood & Son, 1897.

**Barr, William Miller.****621.64 P300**

<sup>12134</sup> Pumping machinery. A practical hand-book relating to the construction and management of steam and power pumping machines. 447 p. il. 2 pl. O. Philadelphia: J. B. Lippincott Co., 1893.

**Robinson, Stillman Williams.****621.81 P600**

<sup>5921</sup> Principles of mechanism. A treatise on the modification of motion by means of the elementary combinations of mechanism, or of the parts of machines. . . . First edition. . . . xv,309 p. 353 il. O. New York: J. Wiley & Sons, 1896.

**Rose, Joshua.****L621.9 P100**

<sup>1395</sup> Modern machine-shop practice. Second edition, fully revised and with important additions. 2 vol. il. pl. sq.F. New York: C. Scribner's Sons, 1892.

**Wilson, Herbert S.****621.9 P803**

<sup>19335</sup> The practical tool-maker and designer: a treatise upon the designing of tools and fixtures for machine tools and metal working machinery, comprising modern examples of machines with fundamental designs for tools for the actual production of the work; together with special reference to a set of tools for machining the various parts of a bicycle. xv,209 p. 72 pl. O. Philadelphia: H. C. Baird & Co., 1898.

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**Copp, Henry N., *editor*.****622.007 P600**

<sup>6811</sup> American mining code: embracing the United States, state, and territorial mining laws, the Land Office regulations, and a digest of federal and state court and land department decisions. iv, 214 p. O. Washington, D. C.: published by the editor, 1896.

**Barringer, Daniel Moreau, & Adams, John Stokes.** **622.007 P701**

<sup>12074</sup> The law of mines and mining in the United States. cxxv, 878 p. il. O. Boston: Little, Brown, & Co., 1897.

**Foster, Clement Le Neve.****622.02 P400**

<sup>7308</sup> A text-book of ore and stone mining. Second edition. xxviii, [2], 744 p. 711 il. 1 pl. O. London: C. Griffin & Co., 1897.

**Gresley, William Stukeley.****622.33 O300**

<sup>14090</sup> A glossary of terms used in coal mining. x, [2], 296 p. 138 il. D. London: E. & F. N. Spon, 1883.

## 624-625 BRIDGE AND ROAD ENGINEERING

**Merriman, Mansfield, & Jacoby, Henry S.****624.02 P400**

<sup>13961</sup> A text-book on roofs and bridges. . . . 4 vol. il. pl. O. New York: J. Wiley & Sons, 1897-1898.

Vol. 1 is in fourth edition, published in 1898; vol. 2-3 are in third; vol. 4 is in first.

**Crosby, Oscar Terry, & Bell, Louis.****625.5 P200**

<sup>4532</sup> The electric railway in theory and practice. 400 p. 179 il. O. New York: W. J. Johnston Co., 1892.

**Clark, Daniel Kinnear.****625.5 P401**

<sup>13157</sup> Tramways, their construction and working. Embracing a comprehensive history of the system, with accounts of the various modes of traction . . . , a description of the varieties of rolling stock and ample details of cost and working expenses, with special reference to the tramways of the United Kingdom. Second edition, re-written and greatly enlarged. xxxv, [1], 758 p. il. 11 pl. 1 map. O. London: C. Lockwood & Son, 1894.

**Houston, Edwin James, & Kennelly, A. E.****625.5 P601**

<sup>7293</sup> Electric street railways. vi, 367 p. 158 il. sq. S. (Elementary electro-technical series.) New York: W. J. Johnston Co., 1896.

**Farman, D.****625.6 P600**

<sup>5715</sup> Auto-cars. Cars, tramcars, and small cars. Translated from the French by Lucien Serraillier. With preface by Baron de Zuylen de Nyevelt. ix,249 p. 112 il. D. London: Whittaker & Co., 1896.

**Tayler, A. J. Wallis-.****625.6 P700**

<sup>9374</sup> Motor cars; or, Power-carriages for common roads. xii,200 p. 76 il. D. London: C. Lockwood & Son, 1897.

**Love, Edward Gurley, *editor*.****625.7 P001**

<sup>4903</sup> Pavements and roads: their construction and maintenance. . . . [4],410 p. il. O. New York: Engineering and Building Record, 1890.

Consists of papers reprinted from the *Engineering and building record*.

**Spalding, Frederick Putnam.****625.7 P500**

<sup>10806</sup> A text-book on roads and pavements. By Fred P. Spalding. First edition. . . . viii,213 p. 44 il. D. New York: J. Wiley & Sons, 1895.

**Shaler, Nathaniel Southgate.****625.7 P600**

<sup>5568</sup> American highways. A popular account of their conditions and of the means by which they may be bettered. xv,293 p. il. 1 pl. D. New York: Century Co., 1896.

**Jeans, J. Stephen.****626 P001**

<sup>11412</sup> Waterways and water transport in different countries: with a description of the Panama, Suez, Manchester, Nicaraguan, and other canals. xx,507 p. il. 4 pl. O. London: E. & F. N. Spon, 1890.

**628 SANITARY ENGINEERING****Galton, Sir Douglas.****628.02 P600**

<sup>6468</sup> Observations on the construction of healthy dwellings, namely: houses, hospitals, barracks, asylums, etc. Second edition, revised. xvi,306 p. 65 il. O. Oxford: Clarendon Press, 1896.

**Chicago. Board of Trustees of the****628.09773 P400**

<sup>4889</sup> *Sanitary District.*

Drainage channel and waterway: a history of the effort to secure an effective and harmless method for the disposal of the sewage of the city of Chicago, and to create a navigable channel between Lake Michigan and the Mississippi River. By G. P. Brown. ix, 480 p. il. 12 pl. 4 maps, 2 tables. O. Chicago: R. R. Donnelley & Sons' Co., 1894.

**Mason, William Pitt.**

**628.1 P700**

<sup>6020</sup> Water-supply. (Considered practically from a sanitary standpoint.) Second edition, revised . . . vii,504 p. il. 9 pl. 2 maps. O. New York: J. Wiley & Sons, 1897.

**Burton, William Kinninmond.**

**L628.1 P800**

<sup>19545</sup> The water supply of towns and the construction of waterworks. A practical treatise for the use of engineers and students of engineering. Second edition, revised and extended. xvi,318 p. il. 39 pl. 2 maps, 5 tables. Q. London: C. Lockwood & Son, 1898.

Milne, J. Considerations concerning the probable effects of earthquakes on waterworks, and the special precautions to be taken in earthquake countries, p. 283-288.

Rijke, J. de. On sand dunes and dune sand as a source of water supply, p. 289-294.

**Rideal, Samuel.**

**628.16 P700**

<sup>5925</sup> Water and its purification. A handbook for the use of local authorities, sanitary officers, and others interested in water supply. xii,292 p. 66 il. 2 tables. D. London: C. Lockwood & Son, 1897.

**Hill, John Willmuth.**

**628.16 P801**

<sup>17977</sup> The purification of public water supplies. xi,304 p. 32 il. O. New York: D. Van Nostrand Co., 1898.

Contents: 1. Introduction. 2. Sources of public water supply. 3. Bacterial contents of various waters. 4. The typhoid bacillus and typhoid fever. 5. Classification of cities by typhoid fever statistics. 6. Pure and purified waters. 7. Citations on typhoid fever epidemics. 8. Sedimentation of polluted waters. 9. Sterilization of drinking-water. 10. Filtration of water supplies. 11. Types of sand filters. 12. Mechanical filters. 13. Hamburg settling-basins and filters. 14. The filters of the Berlin water-works. 15. The Fischer filter and Anderson purifier. 16. Filters proposed for Cincinnati. 17. Cost of filters and filtration. Appendix A. Typhoid fever statistics from large cities of the world. Appendix B. The bacteria. Appendix C. The legal liability of cities and water companies for damages by sewage polluted water.

"Authorities quoted or referred to," p. 290-293.

**Rafter, George W., & Baker, M. N.**

**L628.3 P300**

<sup>5618</sup> Sewage disposal in the United States. Second edition. xxvii, 598 p. 116 il. 4 pl. 1 map, 2 tables. Q. New York: D. Van Nostrand Co., 1894.

**Waring, George Edwin, Jr.**

**628.4 P800**

<sup>10655</sup> Street-cleaning and the disposal of a city's wastes: methods and results and the effect upon public health, public morals, and municipal prosperity. ix,230 p. il. 4 pl. 1 por. D. New York: Doubleday & McClure Co., 1898.

**Teale, Thomas Pridgin.**

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<sup>3303</sup> Dangers to health: a pictorial guide to domestic sanitary defects. Second edition. [2],10,vi p. 55 pl. O. London: J. & A. Churchill, 1879.

**Billings, John Shaw.**

**628.8 P200**

<sup>1502</sup> Ventilation and heating. 500 p. 210 il. O. New York: Engineering Record, 1893.

### 630 AGRICULTURE

**Webb, Henry J.**

**630.2 P400**

<sup>12138</sup> Advanced agriculture. viii,672 p. 100 il. D. [Advanced science manuals.] London: Longmans, Green, & Co., 1894.

**Storer, Francis Humphreys.**

**630.2 P700**

<sup>5906</sup> Agriculture in some of its relations with chemistry. Seventh edition, revised and enlarged. 3 vol. O. New York: C. Scribner's Sons, 1897.

**Bailey, Liberty Hyde, *editor*.**

**630.2 P801**

<sup>20012</sup> The principles of agriculture. A text-book for schools and rural societies. xv,300 p. 92 il. D. [Rural science series.] New York: Macmillan Co., 1898.

**King, Franklin Hiram.**

**631 P500**

<sup>11137</sup> The soil: its nature, relations, and fundamental principles of management. xv,303 p. 45 il. D. [Rural science series.] New York: Macmillan Co., 1897.

**Roberts, Isaac Phillips.**

**631 P700**

<sup>8016</sup> The fertility of the land. A summary sketch of the relationship of farm-practice to the maintaining and increasing of the productivity of the soil. xvii,415 p. 45 il. D. [Rural science series.] New York: Macmillan Co., 1897.

**Crole, David.**

**633.286 P700**

<sup>9298</sup> Tea. A text book of tea planting and manufacture. Comprising chapters on the history and development of the industry, the cultivation of the plant, the preparation of the leaf for the market, the botany and chemistry of tea, etc., etc. With some account of the laws affecting labour in tea gardens in Assam and elsewhere. xii,242 p. il. 4 pl. O. London: C. Lockwood & Son, 1897.



**Nicholson, George, *editor*.**

**L634 O400**

<sup>15975</sup> The illustrated dictionary of gardening, a practical and scientific encyclopædia of horticulture for gardeners and botanists. Edited by George Nicholson, assisted by professor J. W. H. Trail, in the parts relating to insects, fungi, plant structure, horticultural chemistry, &c.; and J. Garrett in the fruit, vegetable, and general garden work portions. 4 vol. il. pl. sq.Q. London: L. U. Gill, [1884-1888].

**Bailey, Liberty Hyde.**

**634 P702**

<sup>17703</sup> The principles of fruit-growing. Second edition. xvii,514 p. 120 il. D. [Rural science series.] New York: Macmillan Co., 1898.

"American books on fruit-growing", p. 488-500.

**Bailey, Liberty Hyde.**

**634 P800**

<sup>16766</sup> The pruning-book. A monograph of the pruning and training of plants as applied to American conditions. ix,[2],537 p. 331 il. S. [Garden-craft series.] New York: Macmillan Co., 1898.

**Bailey, Liberty Hyde.**

**634 P801**

<sup>17169</sup> Sketch of the evolution of our native fruits. xiii,472 p. 125 il. 1 por. D. New York: Macmillan Co., 1898.

"American grape literature", p. 117-126.

**Card, Fred Wallace.**

**634.3 P800**

<sup>18050</sup> Bush-fruits. A horticultural monograph of raspberries, blackberries, dewberries, currants, gooseberries, and other shrub-like fruits. xii,537 p. 113 il. D. [Rural science series.] New York: Macmillan Co., 1898.

**Hough, Franklin Benjamin.**

**634.9 O200**

<sup>13517</sup> The elements of forestry. Designed to afford information concerning the planting and care of forest trees for ornament or profit and giving suggestions upon the creation and care of woodlands, ... , particularly adapted to the wants and conditions of the United States. ix,381 p. 169 il. O. Cincinnati: R. Clarke & Co., 1882.

**Ward, Harry Marshall.**

**634.9 O900**

<sup>4841</sup> Timber and some of its diseases. viii,295 p. 45 il. D. (Nature series.) London: Macmillan & Co., 1889.

**Schlich, William.****634.9 P500**

<sup>11180</sup> A manual of forestry. . . . 5 vol. il. pl. O. London: Bradbury, Agnew, & Co., 1895-1897.

Vol. 1 and 2 are in second edition, revised, published in 1896 and 1897.

Vol. 4-5 published under the title: Schlich's manual of forestry.

Vol. 4 is an English adaptation, by W. R. Fisher, of Hess, Richard. *Der Forstschutz*; vol. 5 is a translation, by W. R. Fisher, of Gayer, Karl. *Die Forstbenutzung*.

Vol. 1 contains a new part on The state in relation to forestry, and a general review of the timber requirements of the British Empire.

**Bailey, Liberty Hyde.****635 P600**

<sup>5125</sup> The nursery-book: a complete guide to the multiplication of plants. Third edition. xi,365 p. 152 il. D. [Garden-craft series.] New York: Macmillan Co., 1896, pref. 1891.

**Bailey, Liberty Hyde.****635 P800**

<sup>16798</sup> Garden-making. Suggestions for the utilizing of home grounds. Third edition, revised. vii,417 p. 256 il. S. [Garden-craft series.] New York: Macmillan Co., 1899.

**Henry, William Arnon.****636 P800**

<sup>15094</sup> Feeds and feeding. A hand-book for the student and stockman. vi,657 p. O. Madison, Wis.: published by the author, 1898.

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<sup>10104</sup> The practical horse keeper. viii,264 p. il. D. London: L. U. Gill, [1890].

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<sup>12603</sup> The book of the dairy. A manual of the science and practice of dairy work. Translated from the German by C. M. Aikman and R. Patrick Wright. xxiv,344 p. 83 il. 6 pl. O. London: Blackie & Son, 1896.

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<sup>9688</sup> Milk and its products. A treatise upon the nature and qualities of dairy milk and the manufacture of butter and cheese. xiii,280 p. 33 il. D. [Rural science series.] New York: Macmillan Co., 1897.

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<sup>12720</sup> Bees & bee-keeping; scientific and practical. A complete treatise on the anatomy, physiology, floral relations, and profitable management of the hive bee. . . . 2 vol. il. pl. D. London: L. U. Gill, 1886-1888.

Contents: Vol. 1. Scientific. Vol. 2. Practical.

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- Campbell, Helen, [born Stuart].** 640.2 P600  
<sup>4996</sup> Household economics. A course of lectures in the School of Economics of the University of Wisconsin. xxi,286 p. O. New York: G. P. Putnam's Sons, 1897.
- Richards, Ellen Henrietta, [born Swallow],** 640.2 P700  
<sup>10149</sup> & **Elliott, S. Maria.**  
 The chemistry of cooking and cleaning. A manual for housekeepers. Second edition, revised and rewritten. vi,[2],158 p. D. Boston: Home Science Publishing Co., 1897.
- Parloa, Maria.** 640.2 P801  
<sup>16311</sup> Home economics. A guide to household management including the proper treatment of the materials entering into the construction and the furnishing of the house. xii,378 p. 52 il. D. New York: Century Co., 1898.
- Abel, Mrs. Mary Hinman.** 641 P004  
<sup>9977</sup> Practical, sanitary and economic cooking adapted to persons of moderate and small means. The Lomb prize essay. Inscription: "The five food principles, illustrated by practical recipes." x, [2],186 p. D. Rochester: American Public Health Association, 1890.
- Ronald, Mary.** 641 P500  
<sup>3600</sup> The Century cook book. . . . xiv,[2],588 p. 60 pl. O. New York: Century Co., 1896.
- Atkinson, Edward.** 641 P501  
<sup>5156</sup> The science of nutrition. Treatise upon the science of nutrition. The Aladdin oven, invented by Edward Atkinson. . . . Dietaries carefully computed under the direction of Mrs. Ellen H. Richards. . . . Nutritive values of food materials, collated from the writings of Prof. W. O. Atwater. . . . [Fourth edition.] . . . 246 p. il. 1 pl. sq.O. Boston: Damrell & Upham, 1896.
- Jago, William.** 641 P502  
<sup>5291</sup> A text-book of the science and art of bread-making; including the chemistry and analytic and practical testing of wheat, flour, and other materials employed in baking. 11,648 p. 81 il. 14 pl. O. London: Simpkin, . . . , Kent & Co., 1895.

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<sup>4129</sup> The feasts of Autolycus: the diary of a greedy woman. 264 p.  
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**Farmer, Fannie Merritt.**

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<sup>5550</sup> The Boston Cooking-School cook book. xxx,567 p. il. D. Boston: Little, Brown, & Co., 1896.

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<sup>8947</sup> Chemie der menschlichen Nahrungs- und Genussmittel. . . .  
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**Springstead, Anne Frances.**

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<sup>3580</sup> The expert waitress: a manual for the pantry, kitchen, and dining-room. [8],131 p. S. New York: Harper & Brothers, c. 1894.

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<sup>13962</sup> The house beautiful. Essays on beds and tables, stools and candlesticks. 336 p. 99 il. O. [New York]: C. Scribner's Sons, 1895, c. 1877.

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<sup>17684</sup> **Adams, Elizabeth Livingston Steele.**

Beauty of form and grace of vesture. [2],vii,231 p. il. 16 pl. pagged in. D. New York: Dodd, Mead & Co., 1894.

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<sup>3620</sup> The elements of modern dressmaking: for the amateur and professional dressmaker. xii,193 p. 46 il. 1 pl. D. New York: Cassell Publishing Co., c. 1894.

**Ortner, Jessica.**

646 P702

<sup>6517</sup> Practical millinery. xii,170 p. 46 il. D. London: Whittaker & Co., 1897.

## 650 COMMERCE

**Bryant, John Collins.****650.2 P100**

- <sup>9763</sup> The business man's commercial law and business forms combined. A vade-mecum for the counting-house. Edited by the Hon. Geo. W. Clinton. Fourteenth edition.—Revised. 240,[2],57 p. 1 por. O. Buffalo, N. Y.: J. C. Bryant, 1897, c. 1891.

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**MacKellar, Thomas.****655.02 N800**

- <sup>9768</sup> The American printer: a manual of typography, ... . [Eighteenth edition, ... enlarged.] xiv,384 p. il. 1 por. O. Philadelphia: MacKellar, Smiths & Jordan, 1893.

**Putnam, George Haven & Putnam, J. B.****655.02 P700**

- <sup>18752</sup> Authors and publishers. A manual of suggestions for beginners in literature. Comprising a description of publishing methods and arrangements, directions for the preparation of mss. for the press, explanations of the details of book-manufacturing, instructions for proof-reading, specimens of typography, the text of the United States copyright law and information concerning copyrights, together with general hints for authors. By G. H. P. and J. B. P. Seventh edition, rewritten with additional material. ix, [2],292 p. 1 facsim. O. New York: G. P. Putnam's Sons, 1897.

**Southward, John.****655.02 P800**

- <sup>18075</sup> Modern printing. A handbook of the principles and practice of typography and the auxiliary arts. By John Southward, assisted by well-known experts. Vol. 1—. il. pl. por. table. O. London: Raithby, Lawrence & Co., 1898—.

**[Pasko, Wesley Washington, *editor*.]****L655.03 P400**

- <sup>52</sup> American dictionary of printing and book-making, containing a history of these arts in Europe and America, with definitions of technical terms and biographical sketches. [2],iv,592 p. il. 1 por. sq. Q. New York: H. Lockwood & Co., 1894.

**Bouchot, Henri.****L655.09 O600**

- <sup>208</sup> The printed book, its history, illustration, and adornment, from the days of Gutenberg to the present time. Translated and enlarged by Edward C. Bigmore. viii,312 p. 118 il. Q. London: H. Grevel & Co., 1887.



**Duff, Edward Gordon.**

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- <sup>310</sup> Early printed books. xii,219 p. 11 pl. O. [Books about books.] London: Kegan Paul, ... & Co., 1893.

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655.11 N600

- <sup>2108</sup> The invention of printing. A collection of facts and opinions descriptive of early prints and playing cards, the block-books of the fifteenth century, the legend of Lourens Janszoon Coster, of Haarlem, and the work of John Gutenberg and his associates. Second edition. 557 p. il. 1 pl. O. New-York: F. Hart & Co., 1878.

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- <sup>3624</sup> Books and their makers during the Middle Ages. A study of the conditions of the production and distribution of literature from the fall of the Roman Empire to the close of the seventeenth century. 2 vol. O. New York: G. P. Putnam's Sons, 1896-1897.

**Blackburn, Henry.**

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- <sup>17186</sup> The art of illustration. Second edition. xvi,240 p. il. 13 pl. paged in, 1 pl. 2 por. paged in. Q. London: W. H. Allen & Co., 1896.

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655.53 P501

- <sup>4124</sup> The illustration of books. A manual for the use of students, notes for a course of lectures at the Slade School, University College. xii,168 p. D. New York: Century Co., pref. 1895.

**Crane, Walter.**

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- <sup>6502</sup> Of the decorative illustration of books, old and new. xii,355 p. il. sq. D. [Ex-libris series.] London: G. Bell & Sons, 1896.

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655.6 P600

- <sup>1374</sup> The question of copyright. Comprising the text of the copyright law of the United States, a summary of the copyright laws at present in force in the chief countries of the world, ... Second edition, revised, and with additional material. xxiv,[2],486 p. O. New York: G. P. Putnam's Sons, 1896.

## 656 TRANSPORTATION

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<sup>1713</sup> The American railway, its construction, development, management, and appliances. With an introduction by Thomas M. Cooley. xxviii, 456 p. 264 il. Q. New York: C. Scribner's Sons, 1892.

Contents: Cooley, T. M. Introduction. Clarke, T. C. The building of a railway. Bogart, J. Feats of railway engineering. Forney, M. N. American locomotives and cars. Alexander, E. P. Railway management. Prout, H. G. Safety in railroad travel. Porter, H. Railway passenger travel. Voorhees, T. The freight-car service. Norton, B. How to feed a railway. James, T. L. The railway mail service. Hadley, A. T. The railway in its business relations. Adams, C. F. The prevention of railway strikes. Adams, B. B., Jr. The every-day life of railroad men. Hewes, F. W. Statistical railway studies.

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<sup>3489</sup> Compendium of transportation theories. A compilation of essays upon transportation subjects by eminent experts. 295 p. O. (Kensington series, no. 1.) Washington, D. C.: Kensington Publishing Co., 1893.

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<sup>3090</sup> Railroad transportation: its history and its laws. iv, [2], 269 p. il. D. New York: G. P. Putnam's Sons, 1890, c. 1885.

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<sup>3139</sup> Railroads: their origin and problems. [4], 216 p. D. New York: G. P. Putnam's Sons, 1878.

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<sup>1265</sup> American railroads as investments. A handbook for investors in American railroad securities. xv, 815, [2], vii p. 5 maps. O. New York: G. P. Putnam's Sons, 1893.

**Nares, Sir George Strong.** 656.9 0200

<sup>1052</sup> Seamanship: ... . Sixth edition, enlarged and revised by Lieut. Arthur C. B. Bromley. xi, [1], 291 p. il. 140 pl. O. New York: E. & F. N. Spon, 1882.

## 660 CHEMICAL TECHNOLOGY

## 660.1-660.9 GENERAL WORKS

**Johnston, James Finlay Weir.** 660.2 N900

<sup>13087</sup> The chemistry of common life. A new edition revised, and brought down to the present time by Arthur Herbert Church. xxvi, 592 p. 102 il. O. New York: D. Appleton & Co., 1898, pref. 1879.

**Wagner, Rudolph von.**

L660.2 0800

- <sup>4336</sup> Manual of chemical technology, translated and edited by William Crookes, from the thirteenth enlarged German edition as remodelled by Dr. Ferdinand Fischer. xxiii,968 p. 596 il. Q. New York: D. Appleton & Co., 1895.

**Groves, Charles Edward, & Thorp, William, *editors*.** L660.2 0900

- <sup>5003</sup> Chemical technology; or, Chemistry in its applications to arts and manufactures. With which is incorporated Richardson and Watts' Chemical technology. Vol. 1-2. il. pl. map. Q. London: J. & A. Churchill, 1889-1895.

Each volume is written by various contributors.

**Fischer, Ferdinand.**

660.2 P300

- <sup>5580</sup> Handbuch der chemischen Technologie. (Zugleich 14. völlig umgearbeitete Auflage von R. von Wagner's Handbuch der chemischen Technologie.) xii,1164 p. 716 il. O. Leipzig: Otto Wigand, 1893.

**Sadtler, Samuel Philip.**

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- <sup>4307</sup> A hand-book of industrial organic chemistry adapted for the use of manufacturers, chemists, and all interested in the utilization of organic materials in the industrial arts. Second revised and enlarged edition. 537 p. 127 il. 1 table. O. Philadelphia: J. B. Lippincott Co., 1895.

With bibliographical notes at the end of each chapter.

**Dammer, Otto.**

660.2 P501

- <sup>7124</sup> Handbuch der chemischen Technologie. . . . Vol. 1-. il. O. Stuttgart: F. Enke, 1895-.

**Lassar-Cohn, *Dr.***

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- <sup>6198</sup> Chemistry in daily life. Popular lectures. Translated by M. M. Pattison Muir. x,324 p. 21 il. D. London: H. Grevel & Co., 1896.

**Stohmann, Friedrich, & Kerl, Bruno, *editors*.**

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- <sup>5606</sup> Encyklopädisches Handbuch der technischen Chemie. Vierte Auflage. . . . Continued from vol. 1. [1888.] il. Q. Braunschweig: F. Vieweg & Sohn, 1888-.

Has also a title-page reading: Muspratt's theoretische, praktische und analytische Chemie in Anwendung auf Künste und Gewerbe.

**Harris, William A.**

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- <sup>4981</sup> A technological dictionary of insurance chemistry. xi,407 p. D. Liverpool: published by the author at the Phoenix Fire Office, 1890.

**Thorpe, Thomas Edward, *editor*.**

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- <sup>1200</sup> A dictionary of applied chemistry. . . . 3 vol. il. O. London: Longmans, Green, & Co., 1893-1895.  
Vol. 1: third edition, 1894. Vol. 2: second edition, 1895. Vol. 3: 1893.

**Weidinger, G.**

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- <sup>5995</sup> G. Weidinger's Waarenlexikon der chemischen Industrie und der Pharmacie. Mit Berücksichtigung der wichtigsten Nahrungs- und Genussmittel. Unter Mitwirkung der Herren Dr. Med. Joseph Moeller, Dr. Hermann Thoms, K. Thümmel, herausgegeben von Dr. T. F. Hanausek. Zweite gänzlich umgearbeitete Auflage. . . . iv,1000 p. O. Leipzig: G. H. Meyer, 1896, pref. 1891.

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**Lunge, Georg.**

**661 P100**

- <sup>5185</sup> A theoretical and practical treatise on the manufacture of sulphuric acid and alkali, with the collateral branches. Second edition, revised and enlarged. 3 vol. il. pl. tables. O. London: Gurney & Jackson, 1891-1896.

**Fulton, John, *E. M.***

**662.7 P500**

- <sup>4009</sup> Coke. A treatise on the manufacture of coke and the saving of by-products. With special references to the methods and ovens best adapted to the production of good coke from the various American coals. [2],vi,342 p. il. 4 pl. 1 por. O. Scranton, Pa.: Colliery Engineer Co., 1895.

**Hansen, Emil Christian.**

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- <sup>4329</sup> Practical studies in fermentation: being contributions to the life history of micro-organisms. Translated by Alex. K. Miller, and revised by the author. xiv,277 p. 19 il. O. London: E. & F. N. Spon, 1896.

**Sykes, Walter John.**

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- <sup>17668</sup> The principles and practice of brewing. xix,511 p. il. 1 pl. O. London: C. Griffin & Co., 1897.

**Sulz, Charles Hermann.**

**663.6 O800**

- <sup>17293</sup> A treatise on beverages; or, The complete practical bottler. Full instructions for laboratory work with original practical recipes for all kinds of carbonated drinks, mineral waters, flavorings, extracts, syrups, etc. xxv,818 p. 428 il. O. New York: C. H. Sulz & Co., 1888.

**Brannt, William Theodore.****665.5 P400**

<sup>4331</sup> Petroleum: its history, origin, occurrence, production, physical and chemical constitution, technology, examination and uses; together with the occurrence and uses of natural gas. Edited chiefly from the German of Prof. Hans Hoefer and Dr. Alexander Veith. xxvii,715 p. 284 il. 1 pl. 2 maps. O. Philadelphia: H. C. Baird & Co., 1895.

**Butterfield, W. J. Atkinson.****665.7 P500**

<sup>4989</sup> Gas manufacture: the chemistry of. A practical handbook on the production, purification, and testing of illuminating gas, and the assay of the bye-products of gas manufacture. . . . xiv,375 p. il. 1 pl. D. London: C. Griffin & Co., 1896.

**Gibbs, William E.****665.801 P900**

<sup>19090</sup> Lighting by acetylene. Generators, burners and electric furnaces. Second edition, revised and enlarged. ix,161 p. 64 il. D. New York: D. Van Nostrand Co., 1899.

**Nesbitt, Alexander.****666.1 N800**

<sup>4946</sup> Glass. viii,143 p. il. O. [SOUTH KENSINGTON MUSEUM. Art handbooks.] New York: Scribner & Welford, 1879.

**Powell, Harry James.****666.1 O300**

<sup>12123</sup> The principles of glass-making, by Harry J. Powell, together with treatises on crown and sheet glass, by Henry Chance, and plate glass, by H. G. Harris. vi,186 p. il. D. (Technological handbooks.) London: G. Bell & Sons, 1883.

"List of works relating to glass manufacture," p. 179-180.

**Hummel, J. J.****667.2 O500**

<sup>5019</sup> The dyeing of textile fabrics. . . . xii,534 p. 97 il. S. [Manuals of technology.] London: Cassell & Co., 1896, pref. 1885.

**Terry, George.****667.6 P300**

<sup>5323</sup> Pigments, paint, and painting. A practical book for practical men. xi,[2],392 p. 49 il. D. London: E. & F. N. Spon, 1893.

**Brannt, William Theodore.****667.7 P300**

<sup>4509</sup> Varnishes, lacquers, printing inks and sealing-waxes: their raw materials and their manufacture. To which is added the art of varnishing and lacquering, including the preparation of putties and of stains for wood, ivory, bone, horn, and leather. xix,338 p. 39 il. O. Philadelphia: H. C. Baird & Co., 1893.



**Carpenter, William Lant.**

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- <sup>5011</sup> A treatise on the manufacture of soap and candles, lubricants and glycerin. Second edition, revised and enlarged by Henry Leask. x,[2],446 p. 104 il. D. London: E. & F. N. Spon, 1895.

**Piesse, Charles Henry.**

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- <sup>5417</sup> Piesse's art of perfumery and the methods of obtaining the odours of plants. The growth and general flower farm system of raising fragrant herbs. . . . Fifth edition. xvii,498 p. il. 1 pl. O. London: Piesse & Lubin, 1891.

**Lunge, Georg.**

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- <sup>5345</sup> Coal-tar and ammonia. Being the second and enlarged edition of 'A treatise on the distillation of coal-tar and ammoniacal liquor.' xvi,739 p. 191 il. O. London: Gurney & Jackson, 1887.

**Meldola, Raphael.**

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- <sup>5415</sup> Coal and what we get from it. A romance of applied science. Expanded from the notes of a lecture delivered in the theatre of the London Institution, Jan. 20th, 1890. . . . 210 p. 11 il. S. (Romance of science.) London: Society for Promoting Christian Knowledge, 1891.

**Austen, William Chandler Roberts-.**

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- <sup>5002</sup> An introduction to the study of metallurgy. Third edition, revised and enlarged. . . . xvi,379 p. il. 1 pl. 1 table. O. London: C. Griffin & Co., 1894.

**Schnabel, Carl.**

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- <sup>16698</sup> Handbook of metallurgy. Translated by Henry Louis. . . . 2 vol. il. O. London: Macmillan & Co., 1898.

**Richards, Joseph William.**

669.703 P500

- <sup>4529</sup> Aluminium: its history, occurrence, properties, metallurgy and applications, including its alloys. Third edition, revised and enlarged. xv,666 p. 46 il. O. Philadelphia: H. C. Baird & Co., 1896.

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- <sup>4322</sup> A manual of practical assaying. Fourth edition, revised and enlarged. . . . vi,437 p. il. O. New York: J. Wiley & Sons, 1896.

## 670 MANUFACTURES

**Lewis, J. Slater.****L670.2 P600**

<sup>5953</sup> The commercial organisation of factories. A handbook for the use of manufacturers, directors, auditors, engineers, . . . , etc. xxxvi,540 p. il. 2 tables, 3 tables in pocket. Q. London: E. & F. N. Spon, 1896.

**Bolland, Simpson.****671 P400**

<sup>2926</sup> The encyclopedia of founding and dictionary of foundry terms, used in the practice of moulding. . . . First edition. . . . iv,535 p. D. New York: J. Wiley & Sons, 1894.

**Smith, Oberlin.****671 P600**

<sup>2927</sup> Press-working of metals. A treatise upon the principles and practice of shaping metals in dies by the action of presses, . . . . First edition. . . . 276 p. 431 il. 1 pl. O. New York: J. Wiley & Sons, 1896.

**Brannt, William Theodore.****671 P603**

<sup>12058</sup> The metal worker's handy-book of receipts and processes. Being a collection of chemical formulas and practical manipulations for the working of all the metals and alloys; including the decoration and beautifying of articles manufactured therefrom, as well as their preservation. Edited from various sources. xxiii,33-538 p. 63 il. D. Philadelphia: H. C. Baird & Co., 1896, c. 1890.

**Warn, Reuben Henry.****671 P604**

<sup>12314</sup> The sheet-metal worker's instructor, comprising a selection of geometrical problems and practical rules for describing the various patterns required by zinc, sheet-iron, copper, and tin-plate workers. New edition, revised and greatly enlarged by Joseph G. Horner. vii,246 p. 429 il. D. London: C. Lockwood & Son, 1896.

**Brannt, William Theodore.****671 P605**

<sup>18525</sup> The metallic alloys. A practical guide for the manufacture of all kinds of alloys, amalgams, and solders, used by metal-workers; together with their chemical and physical properties and their application in the arts and the industries; with an appendix on the coloring of alloys and the recovery of waste metals. A new, revised, and enlarged edition. xxvii, 527 p. 34 il. O. Philadelphia: H. C. Baird & Co., 1896.

Compiled principally from the following: Thurston, R. H. A treatise on brasses, bronzes and other alloys; Krupp, A. Die Legirungen; Ledebur, A. Die Metallverarbeitung auf chemischphysikalischem Wege; Muspratt, J. S. Theoretische, praktische und analytische Chemie.

**Fuller, John, Sr.****671.19 P300**

<sup>3342</sup> Art of coppersmithing. A practical treatise on working sheet copper into all forms. [2], vii, 327 p. 475 il. 2 pl. 1 por. O. New York: D. Williams, 1894.

**Wigley, Thomas B.****671.45 P800**

<sup>19529</sup> The art of the goldsmith and jeweller: a treatise on the manipulation of gold in the various processes of goldsmith's work, and the manufacture of personal ornaments, &c., &c. By Thomas B. Wigley, assisted by John H. Stansbie. xi, 248 p. 144 il. O. London: C. Griffin & Co., 1898.

**Lethaby, William Richard.****671.49 P300**

<sup>3334</sup> Leadwork, old and ornamental and for the most part English. viii, 148 p. 76 il. D. London: Macmillan & Co., 1893.

**Gee, George E.****671.81 O500**

<sup>16522</sup> The silversmith's handbook. Containing full instructions for the alloying and working of silver. . . . Third edition. xxvi, 221 p. 40 il. S. [Weale's scientific & technical series.] London: C. Lockwood & Son, 1890.

**Smith, J. Bucknall.****L671.97 P100**

<sup>2967</sup> A treatise upon wire, its manufacture and uses, embracing comprehensive descriptions of the constructions and applications of wire ropes. xxii, [2], 347 p. il. 2 pl. 1 table. Q. London: "Engineering," 1891.

**Ede, George.****672 M300**

<sup>3919</sup> The management of steel. Sixth edition. xii, 204 p. D. London: E. & F. N. Spon, 1891.

**Gardner, John Starkie.****672 P200**

<sup>983</sup> Ironwork. . . . [2 vol.] il. D. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, 1893-1897.

Contents: Vol. 1. From the earliest time to the end of the Mediæval period. Vol. 2. From the close of the Mediæval period to the end of the eighteenth century, excluding English work.

**Leland, Charles Godfrey.****675 P200**

<sup>1090</sup> Leather work. A practical manual for learners. xiii,96 p. 60 il. 1 pl. sq.O. London: Whittaker & Co., 1892.

**Davis, Charles Thomas.****675 P700**

<sup>12367</sup> The manufacture of leather: being a description of all of the processes for the tanning and tawing . . . , and the currying, finishing and dyeing of every kind of leather; . . . , with special reference to the best American practice. To which are added lists of American patents (1884-1897) . . . . Second edition, revised and in great part rewritten. xxxii,680 p. 147 il. 2 pl. O. Philadelphia: H. C. Baird & Co., 1897.

**Cross, C. F., & Bevan, E. J.****676 O700**

<sup>3788</sup> Text-book of paper-making. vii,244 p. 81 il. 3 pl. D. London: E. & F. N. Spon, 1888.

**Watt, Alexander.****676 P001**

<sup>3593</sup> The art of paper-making: a practical handbook of the manufacture of paper . . . , including the manufacture of pulp from wood fibre. With a description of the machinery and appliances used. To which are added details of processes for recovering soda from waste liquors. xii,260 p. 86 il. D. London: C. Lockwood & Son, 1890.

**Bell, T. F.****677 P401**

<sup>3364</sup> Jacquard weaving and designing. vi,[2],303 p. 199 il. O. London: Longmans, Green, & Co., 1895.

**Taggart, William Scott.****677.19 P501**

<sup>3233</sup> Cotton spinning. . . . 3 vol. il. 1 pl. D. London: Macmillan & Co., 1896-1898.

Vol. 2 reprinted from *The Textile mercury*.

**680 TRADES****Leland, Charles Godfrey.****680.2 P600**

<sup>6063</sup> A manual of mending and repairing. xxi,264 p. il. D. New York: Dodd, Mead & Co., 1896.

**Glasgow, David.**

681 O500

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682 P001

<sup>2938</sup> Practical blacksmithing. A collection of articles contributed at different times by skilled workmen to the columns of "The Blacksmith and wheelwright" . . . . 4 vol. il. D. New York: M. T. Richardson, 1890-1895.

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682 P002

<sup>4644</sup> First lessons in metal working. iv,[2],170 p. 95 il. D. New York: J. Wiley & Sons, 1890.

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684 O700

<sup>8403</sup> Bench work in wood: a course of study and practice designed for the use of schools and colleges. xi,161 p. 306 il. D. Boston, U. S. A.: Ginn & Co., 1896, c. 1887.

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684 P200

<sup>4037</sup> The cabinet maker: a practical guide to the principles of design, and the economical and sound construction of household furniture, furnishings, and fittings; . . . . Edited by the editor of "The industrial self-instructor." xii,178 p. il. 10 pl. O. [Practical mechanic series.] London: Ward, . . . , & Co., 1892.

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<sup>16312</sup> Lathe-work. A practical treatise on the tools, appliances, and processes employed in the art of turning . . . etc. Sixth edition. xii,212 p. 51 il. D. London: C. Lockwood & Son, 1898.

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<sup>2939</sup> Practical carriage building: comprising numerous short practical articles . . . . 2 vol. il. D. New York: M. T. Richardson Co., 1892.

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<sup>2980</sup> Bicycle repairing. A manual compiled from articles in the Iron age. . . . 166 p. il. O. New York: D. Williams, 1896.



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- <sup>1665</sup> Bookbinding for amateurs: being descriptions of the various tools and appliances required and minute instructions for their effective use. vi, [2], 184 p. 156 il. D. London: L. Upcott Gill, [1885].

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- <sup>3706</sup> The binding of books. An essay in the history of gold-tooled bindings. xiii, [3], 224 p. 1 il. 13 pl. O. [Books about books.] London: Kegan Paul, . . . , & Co., 1894.

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- <sup>3115</sup> The American house carpenter. A treatise on the art of building. . . . ; together with a compend of mathematics. . . . Eighth edition, rewritten and enlarged. Edited by O. P. Hatfield. Twelfth edition. . . . [2], 685 p. 450 il. 16 pl. O. New York: J. Wiley & Sons, 1895, c. 1880.

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- <sup>4626</sup> Spons' mechanics' own book: a manual for handicraftsmen and amateurs. Third edition. xii, 702 p. 1424 il. O. London 1889.

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- <sup>3188</sup> . . . . Materials of engineering. 3 vol. il. pl. table. O. New York: J. Wiley & Sons, 1893-1898.

Contents: Vol. 1. A treatise on the non-metallic materials of engineering, stone, timber, fuel, lubricants, etc. Vol. 2. A treatise on iron and steel. Vol. 3. A treatise on brasses, bronzes, and other alloys, and their constituent metals.

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- <sup>7467</sup> Quantity surveying. For the use of surveyors, architects, engineers, and builders. Third edition, revised and enlarged. . . . xvi, 547 p. 68 il. O. London: E. & F. N. Spon, 1897.

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- <sup>20032</sup> A treatise on masonry construction. Ninth edition, revised and partially rewritten. . . . xiii, 556 p. 160 il. 6 pl. O. New York: J. Wiley & Sons, 1899.

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<sup>3044</sup> Manual training. Elementary woodwork: a series of sixteen lessons taught in the senior grammar grade at Springfield, Mass., and designed to give fundamental instruction in use of all the principal tools needed in carpentry and joinery. [4],99 p. 207 il. D. Boston: Lee & Shepard, 1893.

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<sup>3721</sup> Home carpentry for handy men: a book of practical instruction in ... constructive and decorative work in wood ... . vii,772 p. 571 il. O. London: Ward, Lock & Bowden, 1895.

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696 O500

<sup>3722</sup> Standard practical plumbing: being a complete encyclopædia for practical plumbers and guide for architects, builders, gas fitters, hot water fitters, ironmongers, lead burners, sanitary engineers, zinc workers, ... . 2 vol. il. pl. por. sq.O. London: E. & F. N. Spon, 1895-1896.

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<sup>3608</sup> Heating and ventilating buildings. An elementary treatise. First edition. ... . xiii,411 p. 228 il. 1 pl. O. New York: J. Wiley & Sons, 1896.

**Baldwin, William James.**

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<sup>3387</sup> Hot-water heating and fitting; or, Warming buildings by hot-water. ... . Third edition, ... . [8],392,[6] p. il. 2 pl. O. New York: Engineering Record, 1891.

**Hood, Charles.**

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<sup>8212</sup> A practical treatise upon warming buildings by hot water and upon heat and heating appliances in general. With an enquiry respecting ventilation, the cause and action of draughts in chimneys or flues, and the laws relating to combustion. Rewritten by Frederick Dye. Third new edition, fully revised to date. xvi, 593 p. 369 il. O. London: E. & F. N. Spon, 1897.

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<sup>3049</sup> Steam-heating problems; or, Questions, answers, and descriptions relating to steam-heating and steam-fitting, from The Engineering record. ... . 233 p. 109 il. O. New York: Engineering record, 1891.

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<sup>15135</sup> Painting and decorating. xvi,[2],312 p. 88 il. 34 pl. O. London: C. Griffin & Co., 1898.

## 700 FINE ARTS

## 701-709 GENERAL WORKS

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<sup>15408</sup> Adeline's art dictionary. Containing a complete index of all terms used in art, architecture, heraldry, and archæology. Translated from the French, and enlarged. vii,422 p. il. O. New York D. Appleton & Co., 1891.

**Crane, Walter.****704 C85**

<sup>9610</sup> The claims of decorative art. vi,[2],191 p. il. sq.O. Boston: Houghton, Mifflin, & Co., 1892.

Contents: The claims of decorative art. The architecture of art. Figurative art. Sculpture: from a decorator's point of view. Painting at the present day: from a decorator's point of view. On the structure and evolution of decorative pattern. Art and labour. Art and handicraft. The prospects of art under socialism. On the teaching of art. Design in relation to use and material. The importance of the applied arts, and their relation to common life. Art and commercialism. Art and social democracy. Imitation and expression in art. Art and industry.

**Day, Lewis Foreman.****704 D33**

<sup>9887</sup> Some principles of every-day art: introductory chapters on the arts not fine. 2nd edition, revised. [6],148 p. 70 il. 1 pl. D. London: B. T. Batsford, 1894.

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<sup>11413</sup> The training of a craftsman. Illustrated by many workers in the art crafts. x,249 p. 161 il. O. New York: Truslove & Comba, 1898.

Contents: 1. The craftsman and nature. 2. Design and craftsmanship. 3. Metal work. Repoussé and fine metal-work. Wrought iron. 4. Jewellery. 5. Enamelling on metal. 6. Potters and painters. 7. Glass painters. 8. Wood carvers. 9. Bookbinders. 10. Women workers in the art crafts. 11. Surface decoration. 12. Decoration in relief. 13. Wall-papers and textiles. 14. The craftsman up-to-date and his outlook.

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<sup>14377</sup> Hopes and fears for art. Five lectures delivered in Birmingham, London, and Nottingham 1878-1881. Fifth edition. [2],218 p. 1 pl. D. London: Longmans, Green, & Co., 1898.

Contents: The lesser arts. The art of the people. The beauty of life. Making the best of it. The prospects of architecture in civilisation.

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<sup>6763</sup> The eagle's nest. Ten lectures on the relation of natural science to art, given before the University of Oxford ... , 1872. With an introduction by Charles Eliot Norton. Brantwood edition. xx,260 p. D. New York: Maynard, Merrill & Co., 1893.

Contents: 1. Of wisdom and folly in art. 2. Of wisdom and folly in science. 3. The relation of wise art to wise science. 4. The power of modesty in science and art. 5. The power of contentment in science and art. 6. The relation to art of the science of light. 7. The relation to art of the sciences of inorganic form. 8. The relation to art of the sciences of organic form. 9. The story of the halcyon. 10. The heraldic ordinaries.

**Ruskin, John.****704 R89I**

<sup>6759</sup> The two paths. Being lectures on art and its application to decoration and manufacture, delivered in 1838-9. With an introduction by Charles Eliot Norton. Brantwood edition. xvii,[2], 270 p. D. New York: Maynard, Merrill & Co., 1893.

Contents: 1. The deteriorative power of conventional art over nations. 2. The unity of art. 3. Modern manufacture and design. 4. Influence of imagination in architecture. 5. The work of iron, in nature, art, and policy.

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<sup>11368</sup> Art and life, and the building and decoration of cities: a series of lectures by members of the Arts and Crafts Exhibition Society, delivered at the fifth exhibition of the society in 1896. [6],260 p. D. London: Rivington, Percival, & Co., 1897.

Contents: 1. Sanderson, T. J. Cobden-. Of art and life. 2. Lethaby, W. R. Of beautiful cities. 3. Crane, W. Of the decoration of public buildings. 4. Blomfield, R. Of public spaces, parks and gardens. 5. Ricardo, H. Of colour in the architecture of cities.

**Ashbee, Charles Robert.****707 A819**

<sup>47000</sup> A few chapters in workshop re-construction and citizenship. 165,[1] p. O. London: Guild and School of Handicraft, 1894.

Contents: 1. Some definitions towards an ideal. 2. On the need for the cultivation of the sense of beauty and the questionable wisdom of looking for this from the British middle class. 3. How can we "run" art at our polytechnics. 4. Decorative art from a workshop point of view. 5. An industrial dialogue between Mr. Archibald Pushington, M. P., and Mr. Thomas Trudge. 6. The honest endeavour of Timothy Thumbs, teacher and humanist. 7. On the higher aspects of technical education and the elementary teacher. 8. On the teaching of design and its bearing on workshop re-construction. 9. University Extension and the workshop—a problem and a policy. 10. The policy developed towards workshop reconstruction. 11. The relation of the architect towards workshop reconstruction. 12. On the possibility of a metropolitan school of architecture. 13. Where is the builder of ideas? 14. The art and technical instructor of to-day and the little citizen of the future. 15. On Jack's initiation into the citizenship.



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<sup>15867</sup> History of mediæval art. Translated by Joseph Thatcher Clarke. xxxi,743 p. 422 il. O. New York: Harper & Brothers, 1897, c. 1886.

**Conway, Sir William Martin.****709.1 C76**

<sup>18787</sup> Dawn of art in the ancient world. An archaeological sketch. viii,189 p. D. New York: Macmillan & Co., 1891.

**Cook, Edward Tyas.****709.276 C77**

<sup>18941</sup> Studies in Ruskin: some aspects of the work and teaching of John Ruskin. Second edition. xiv,304 p. il. 8 pl. 1 por. D. Orpington: G. Allen, 1891.

**Perrot, Georges, & Chipiez, Charles.****L709.3 P42**

<sup>17666</sup> History of art in Sardinia, Judæa, Syria, and Asia Minor. From the French. Translated and edited by I. Gonino. 2 vol. il. pl. Q. London: Chapman & Hall, 1890.

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<sup>18121</sup> A history of art in Chaldæa & Assyria. From the French. Translated and edited by Walter Armstrong. 2 vol. il. pl. Q. London: Chapman & Hall, 1884.

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<sup>11892</sup> History of art in Persia. From the French. xii,508 p. 254 il. 12 pl. Q. London: Chapman & Hall, 1892.

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<sup>17645</sup> History of art in primitive Greece. Mycenian art. From the French. 2 vol. il. pl. Q. London: Chapman & Hall, 1894.

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<sup>17644</sup> History of art in Phœnicia and its dependencies. From the French. Translated and edited by Walter Armstrong. 2 vol. il. pl. Q. London: Chapman & Hall, 1885.

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- <sup>14711</sup> Landscape gardening. Notes and suggestions on lawns and lawn planting—laying out and arrangement of country places, large and small parks, cemetery plots, and railway-station lawns—deciduous and evergreen trees and shrubs—the hardy border—bedding plants—rockwork, etc. xxii,329 p. il. 1 pl. Q. New York: G. P. Putnam's Sons, 1895.

**Robinson, William.****710.2 R56**

- <sup>16885</sup> The English flower garden. Design and arrangement shown by existing examples of gardens in Great Britain and Ireland followed by a description of the best plants for the open-air garden and their culture. Sixth edition. xii,832 p. il. O. London: J. Murray, 1898.

**Rose, Nils Jönsson.****L710.2 R72**

- <sup>8768</sup> Lawns and gardens. How to plant and beautify the home lot, the pleasure ground and garden. xi,414 p. 172 il. 1 pl. Q. New York: G. P. Putnam's Sons, 1897.

**Amherst, Alicia M. T.****L710.9 A515**

- <sup>9081</sup> A history of gardening in England. xvi,398 p. il. Q. London: B. Quaritch, 1895.  
 "Bibliography of works on English gardening", p. 323-389.

**May, W. J.****716 M45**

- <sup>10049</sup> Greenhouse management for amateurs: descriptions of the best greenhouses and frames, ... ; particulars of the various methods of heating; illustrated descriptions of the most suitable plants, with general and special cultural directions; ... . Second edition, revised and enlarged. [4],379 p. 128 il. D. London: L. U. Gill, [1897].

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<sup>16296</sup> The seven lamps of architecture. With illustrations drawn by the author, and an introduction by Charles Eliot Norton. Brantwood edition. xxiv,401 p. 14 pl. D. New York: C. E. Merrill & Co., 1892.

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<sup>16599</sup> Architecture for general readers. A short treatise on the principles and motives of architectural design. With a historical sketch. Second edition, revised. xvi,332 p. il. 12 pl. O. New York: C. Scribner's Sons, 1896.

**Viollet-le-Duc, [Eugène Emmanuel].****720.3 V81**

<sup>16997</sup> Dictionnaire de l'architecture française du XI<sup>e</sup> au XVI<sup>e</sup> siècle. 10 vol. il. por. O. Paris: vol. 1, 9, v<sup>e</sup> A. Morel & C<sup>ie</sup>, vol. 2-8, 10, A. Morel, 1867-1873.

Vol. 10 is index.

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<sup>16887</sup> Turrets, towers, and temples. The great buildings of the world, as seen and described by famous writers. Edited and translated by Esther Singleton. xii,317 p. 48 pl. O. New York: Dodd, Mead & Co., 1899.

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<sup>7876</sup> A history of architecture. . . . Being a comparative view of the historical styles, from the earliest period. Second edition, reprinted from the first. xv,[1],313 p. il. 115 pl. D. London: B. T. Batsford, 1896.

**Mathews, Charles Thompson.****720.9 M42**

<sup>5916</sup> The story of architecture: an outline of the styles in all countries. xvi, 468 p. 1 pl. 175 il. O. New York: D. Appleton & Co., 1896.

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<sup>8867</sup> The habitations of man in all ages. Translated by Benjamin Bucknall. xvi,394 p. il. 9 pl. O. Boston: J. R. Osgood & Co., 1876.

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<sup>9222</sup> European architecture. A historical study. xxviii,578 p. 256 il. 10 pl. O. New York: Macmillan Co., 1896.

**Viollet-le-Duc, Eugène Emmanuel.****721 V81**

<sup>2904</sup> Rational building: being a translation of the article "Construction" in the *Dictionnaire raisonné de l'architecture française*, of M. Eugène-Emmanuel Viollet-le-Duc, by George Martin Huss. xii,367 p. 156 il. O. New York: Macmillan & Co., 1895.

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<sup>18961</sup> Gothic architecture. Edited by Walter Armstrong. [Translated by Florence Simmonds.] xvi,388 p. 236 il. 1 pl. D. New York: Macmillan & Co., 1893.

**Perkins, Thomas.****723.5 P41**

<sup>18494</sup> Handbook to Gothic architecture ecclesiastical and domestic for photographers and others. 223,[1] p. il. 1 pl. D. London: Hazell, Watson, & Viney, 1897.

**Statham, Henry Heathcote.****724 S797**

<sup>17816</sup> Modern architecture. A book for architects and the public. x,281 p. 145 il. 1 pl. O. London: Chapman & Hall, 1897.

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<sup>7581</sup> Manual of wood carving. With practical instructions for learners of the art, and original and selected designs. With an introduction by Llewellynn Jewitt. Twentieth edition. 72 p. il. 1 pl. sq.Q. London: Bemrose & Sons, [1862].

**Humphreys, Henry Noel.****737 H881**

<sup>3317</sup> The coin collector's manual, or Guide to the numismatic student in the formation of a cabinet of coins: comprising an historical and critical account of the origin and progress of coinage, . . . 2 vol. il. pl. D. London: G. Bell & Sons, 1876.

**Barber, Edwin Atlee.****L738 B23**

<sup>4334</sup> The pottery and porcelain of the United States: an historical review of American ceramic art from the earliest times to the present day. xvii,446 p. 222 il. 1 pl. Q. New York: G. P. Putnam's Sons, 1893.

**Young, Jennie J.****738 Y8**

<sup>6564</sup> The ceramic art. A compendium of the history and manufacture of pottery and porcelain. [2],499 p. 464 il. O. New York: Harper & Brothers, 1879.

- Fortnum, Charles Drury Edward.** 738.54 F77  
<sup>106</sup> Maiolica. vii, 192 p. 82 il. O. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, pref. 1875.
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<sup>110</sup> Bronzes. viii, 162 p. 28 il. O. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, pref. 1877.
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<sup>3365</sup> Elementary metal work: a practical manual for amateurs and for use in schools. xvi, 111 p. 124 il. 1 pl. sq. O. New York: Macmillan & Co., 1894.
- Day, Lewis Foreman.** 740.2 D33  
<sup>9918</sup> Nature in ornament. xxiii, 247 p. 192 il. 123 pl. D. (Text books of ornamental design.) London: B. T. Batsford, 1892.
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<sup>9920</sup> The planning of ornament. Third edition, further revised, . . . . xi, 49 p. 41 pl. D. (Text books of ornamental design, no. 2.) London: B. T. Batsford, 1893.
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<sup>6091</sup> A manual of decorative composition. For designers, decorators, architects, and industrial artists. Translated by J. Gonino. ix, 310 p. 267 il. D. New York: D. Appleton & Co., 1888.
- Meyer, Franz Sales.** 740.2 M57  
<sup>13584</sup> A handbook of ornament. Third English edition, revised by Hugh Stannus. xvi, 548 p. il. O. London: B. T. Batsford, 1896.
- Redgrave, Richard.** 740.2 R24  
<sup>108</sup> Manual of design, compiled from the writings and addresses of Richard Redgrave by Gilbert R. Redgrave. viii, 173 p. 18 il. O. [SOUTH KENSINGTON MUSEUM. Art handbooks.] London: Chapman & Hall, pref. 1876.
- Ruskin, John.** 740.2 R89  
<sup>6765</sup> The elements of drawing in three letters to beginners. With an introduction by Charles Eliot Norton. Brantwood edition. xxxvi, [2], 380 p. 48 il. D. New York: Maynard, Merrill, & Co., c. 1893.



**Viollet-le-Duc, [Eugene Emmanuel].****740.2 V81**

<sup>3260</sup> Learning to draw; or, The story of a young designer. Translated from the French by Virginia Champlin. . . . v,[3],324 p. 110 il. D. New York: G. P. Putnam's Sons, 1888, c. 1880.

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<sup>7872</sup> The principles of ornament. Edited by George Aitchison. New and enlarged edition. xix,207 p. 189,38 il. 1 pl. O. New York: C. Scribner's Sons, 1896.

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<sup>11047</sup> Practical designing. A handbook on the preparation of working drawings. . . . [Second edition.] viii,327 p. il. 4 pl. D. London: G. Bell & Sons, 1894.

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<sup>17336</sup> Dictionnaire des arts décoratifs à l'usage des artisans, des artistes, des amateurs et des écoles. [2],vii,1042,[2] p. 541 il. 1 pl. Q. Paris: Librairie Illustrée, [1885].

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<sup>9919</sup> The anatomy of pattern. Fourth edition, revised . . . . xi,56 p. il. 41 pl. D. (Text books of ornamental design, no. 1.) London: B. T. Batsford, 1896.

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**Bartholomew, John George.****L912 0902**

<sup>3874</sup> Atlas of commercial geography, illustrating the general facts of physical, political, economic, and statistical geography, on which international commerce depends. With introductory notes by Hugh Robert Mill. vii, [1] p. 25 maps. sq. F. Cambridge: University Press, 1889.

**Stieler, Adolph.****L912 P100**

<sup>3187</sup> Adolph Stieler's Handatlas über alle Theile der Erde und über das Weltgebäude. [7], 201 p. 95 maps. F<sup>4</sup>. Gotha: J. Perthes, [1891].

**Rand, McNally & Co., publishers.****A912 P200**

<sup>894</sup> Rand, McNally & Co.'s indexed atlas of the world, . . . with historical, descriptive, and statistical matter . . . . Accompanied by a new and original compilation forming a ready reference index, . . . . 581 p. maps, tables. F<sup>6</sup>. Chicago 1892.

**Appleton & Co., D., publishers.****L912 P201**

<sup>3198</sup> The library atlas of modern geography: . . . , with a full gazetteer and indexes and . . . descriptive text based on the results of the latest censuses. [228], 109 p. il. 103 maps. F<sup>4</sup>. New York 1895.

**Stanford, Edward, *publisher.***

**A912 P300**

- <sup>4148</sup> Stanford's London atlas of universal geography, exhibiting the physical and political divisions of the various countries of the world. . . . Second edition, revised and enlarged. [10], 29 p. 100 maps. F<sup>6</sup>. London 1896.

**Johnston, Alexander Keith.**

**A912 P400**

- <sup>4145</sup> The royal atlas of modern geography, exhibiting, . . . the present condition of geographical discovery and research . . . . With additions and corrections to the present date by T. B. Johnston. With a special index to each map. A new edition. viii, [2] p. 57 maps. F<sup>6</sup>. Edinburgh: W. & A. K. Johnston, 1896.

**Langhans, Paul.**

**L912 P700**

- <sup>11668</sup> Deutscher Kolonial-Atlas. Unpaged. 30 maps. F<sup>4</sup>. Gotha: J. Perthes, 1897.

**Smith, Benjamin Eli, *editor.***

**L912 P701**

- <sup>11691</sup> The Century atlas of the world. Prepared under the superintendence of Benjamin E. Smith. [4], xxx, [2], 382 p. il. 117 maps. F. New York: Century Co., c. 1897. 12.50

**Cram, George F., *publisher.***

**A912 P800**

- <sup>10800</sup> Cram's standard American railway system atlas of the world. Accompanied with a complete and simple index of the United States . . . . 590, 39 p. il. F<sup>5</sup>. Chicago: G. F. Cram, 1898.

**U. S. A. War Department.**

**L912.7291 P701**

- <sup>11789</sup> *Adjutant General's Office. Military Information Division.*  
Military map of the island of Cuba. Prepared in the War Department, Adjutant General's Office, Military Information Division, from the latest official sources. 4 maps. sq.F. N. Y. J. Bien & Co., 1897.

**U. S. A. War Department.**

**912.7295 P800**

- <sup>11791</sup> *Adjutant General's Office. Military Information Division.*  
Military map, island of Puerto Rico, 1898. 60.8x82 cm. sq.O. N. Y.: J. Bien & Co., [1898].

**Bien & Co., Julius, *publishers.***

**L912.914 P800**

- <sup>11790</sup> Map of Philippine Islands and adjacent seas. From material of the English and Batavian governments 1898. 109.5x63.5 cm. nar.Q. New York c. 1898.



## 913 ANTIQUITIES

**Ely, Talfourd.****913 P001**

<sup>9082</sup> Manual of archæology. . . . xii, 272 p. 113 il. 1 pl. O. New York: G. P. Putnam's Sons, 1890.

"Books recommended", at the beginning of each chapter.

## 920 BIOGRAPHY

**Cates, William Leist Redwin.****L920.01 C28**

<sup>171</sup> A dictionary of general biography. Third edition, . . . completed to the present time. viii, 1484 p. O. London: Longmans, Green, & Co., 1881.

**Chambers's biographical dictionary.****920.01 C35**

<sup>15300</sup> Chambers's biographical dictionary. The great of all times and nations. Edited by David Patrick and Francis Hindes Groome. 1002 p. O. Philadelphia: J. B. Lippincott Co., 1898.

**Gubernatis, Angelo de.****L920.01 G93**

<sup>8728</sup> Dictionnaire international des écrivains du jour. 3 vol. Q. Florence: L. Niccolai, 1890-1891.

Vol. 1 published in 1891.

**Hoefer, Ferdinand, *editor*.****920.01 H67**

<sup>1990</sup> Nouvelle biographie générale depuis les temps les plus reculés jusqu'à nos jours, avec les renseignements bibliographiques et l'indication des sources à consulter: publiée par MM. Firmin Didot Frères. 46 vol. in 23. O. Paris: Firmin Didot Frères, Fils & C<sup>ie</sup>, 1855-1885.

Vol. 1 published in 1862.

**Men.****920.01 M52**

<sup>1736</sup> Men and women of the time. A dictionary of contemporaries. Fourteenth edition, revised and brought down to the present time by Victor G. Plarr. vii, [2], 986 p. O. London: G. Routledge & Sons, 1895.

**Michaud, [Joseph François, & Michaud, L. G.], *editors*.** **L920.01 M58**

<sup>2000</sup> Biographie universelle (Michaud) ancienne et moderne, . . . . Nouvelle édition, . . . revue, . . . ; ouvrage rédigé par une société de gens de lettres et de savants. 45 vol. Q. Paris: Madame C. Desplaces, 1854-[1857].

**Phillips, Lawrence Barnett.****920.01 P54**

- <sup>172</sup> The dictionary of biographical reference, containing over one hundred thousand names, together with a classed index of the biographical literature of Europe and America. New edition, revised, ... with supplement to date, by Frank Weitenkamp. ... . xi,[2],1038 p. O. Philadelphia: Gebbie & Co., 1889.

**Pratt, Alfred T. Camden, *editor*.****L920.01 P88**

- <sup>16347</sup> People of the period. Being a collection of the biographies of upwards of six thousand living celebrities. 2 vol. Q. London: N. Beeman, 1897-[1898].

**Sanders, Lloyd Charles, *editor*.****920.01 S215**

- <sup>461</sup> Celebrities of the century. Being a dictionary of men and women of the nineteenth century. vi,[2],1077 p. O. London: Cassell & Co., 1887.

**Thomas, Joseph.****L920.01 T36**

- <sup>448</sup> Universal pronouncing dictionary of biography and mythology. New edition, ... enlarged. [4],xii,2550 p. Q. Philadelphia: J. B. Lippincott Co., 1895.

**Vapereau, Gustave.****L920.01 V41**

- <sup>1020</sup> Dictionnaire universel des contemporains, contenant toutes les personnes notables de la France et des pays étrangers, ... . Sixième édition ... augmentée. [2],iii,[1],1629 p. Q. Paris: Librairie Hachette & C<sup>ie</sup>, 1893.

——— Supplément ... . [4],103 p. Q. Paris: Librairie Hachette & C<sup>ie</sup>, 1895.

Bound together.

**Vapereau, Gustave.****L920.01 V411**

- <sup>17984</sup> Dictionnaire universel des littératures. Contenant, I, des notices sur les écrivains de tous les temps et de tous les pays ... ; II, la théorie et l'historique des différents genres de poésie et de prose, ... . III, la bibliographie générale et particulière, .... Seconde édition, revue et augmentée d'un supplément. xvi,2096,25 p. Q. Paris: Hachette & C<sup>ie</sup>, 1884.

**Who's who.****920.01 W62**

- <sup>12423</sup> Who's who? ... . Continued from vol. 50. 1898. D. London 1898—.

Edited by Douglas Sladen.

Also called New issue, vol. 2—.

**Smith, William, *LL.D.*****920.03 S664**

- <sup>5809</sup> Dictionary of Greek and Roman biography and mythology. 3 vol. il. O. London: Taylor, Walton, & Maberly, 1849-1851.

**Boase, Frederic.****L920.042 B63**

- <sup>12581</sup> Modern English biography containing many thousand concise memoirs of persons who have died since the year 1850, with an index of the most interesting matter. Vol. 1—. Q. Truro: for the author, 1892—.

Only 250 copies printed.

**Dictionary.****920.042 D56**

- <sup>1189</sup> Dictionary of national biography. Continued from vol. 1. O. New York: Macmillan & Co., 1885—.

Vol. 1–21 edited by Leslie Stephen; vol. 22–26, by Leslie Stephen and Sidney Lee; vol. 27—, by Sidney Lee.

**Sharp, Robert Farquharson.****920.042 S531**

- <sup>17113</sup> A dictionary of English authors, biographical and bibliographical. Being a compendious account of the lives and writings of 700 British writers from the year 1400 to the present time. Second edition, with list of errata. vi,2,310 p. O. London: G. Redway, 1898.

Interleaved.

**Munich. Königliche Akademie der Wissenschaften.****920.043 M92**

- <sup>1991</sup> Allgemeine deutsche Biographie. Auf Veranlassung ... seiner Majestät des Königs von Bayern ... herausgegeben durch die Historische Commission bei der Königl. Akademie der Wissenschaften. Continued from vol. 1. O. Leipzig: Duncker & Humblot, 1875—.

Vol. 1—edited by R. von Liliencron and F. X. Wegele.

**Glaeser, Ernest, *editor*.****L920.044 G45**

- <sup>1322</sup> Biographie nationale des contemporains, rédigée par une société de gens de lettres. 4,834 p. Q. Paris: Glaeser & C<sup>ie</sup>, 1878.

**Brussels. Académie royale des sciences,****920.0493 B83**

<sup>2309</sup> des lettres et des beaux-arts.

Biographie nationale, publiée par l'Académie royale des sciences, des lettres et des beaux-arts de Belgique. Vol. 1—. O. Bruxelles 1866—.

**Appleton's cyclopædia.****L920.07 A649**

- <sup>177</sup> Appleton's cyclopædia of American biography. Edited by James Grant Wilson and John Fiske. 6 vol. il. por. Q. New York: D. Appleton & Co., 1894.

**Who's who in America.****920.07 W62**

- <sup>17908</sup> Who's who in America. A biographical dictionary of living men and women of the United States. 1899–1900. Edited by John W. Leonard. xxxii,822 p. O. Chicago: A. N. Marquis & Co., c. 1899.

**Canadian men and women.**

920.071 M82

<sup>15159</sup> The Canadian men and women of the time: a hand-book of Canadian biography. Edited by Henry James Morgan. First edition. xii,1117,[1] p. D. Toronto: W. Briggs, 1898.

**National cyclopædia.**

L920.073 N21

<sup>5149</sup> The National cyclopædia of American biography. Being the history of the United States as illustrated in the lives of the founders, builders, and defenders of the Republic, and of the men and women who are doing the work and moulding the thought of the present time. Edited by distinguished biographers, selected from each state, . . . Continued from vol. 1. il. por. Q. New York: J. T. White & Co., 1892-.

Vol. 1 was published in 1893.

**Mackail, John William.**

920.159 M19

<sup>17920</sup> The life of William Morris. New impression. 2 vol. pl. por. O. London: Longmans, Green & Co., 1899.

**Wilson, James Grant, *editor*.**

923.173 W69

<sup>12239</sup> The presidents of the United States. 1789-1894. By John Fiske, . . . , and others. xii,526 p. il. 23 por. 23 facsim. O. New York: D. Appleton & Co., 1894.

Reprinted from *Appleton's cyclopædia of American biography*.

## 929 GENEALOGY AND HERALDRY

**Burke, Sir [John] Bernard.**

L929.72 B91

<sup>10267</sup> A genealogical and heraldic dictionary of the peerage and baronetage, together with memoirs of the privy councillors and knights. By Sir Bernard Burke. Edited by his son [Henry Farnham Burke]. Sixtieth edition. [2],cxxxiii,1838,[2] p. il. Q. London: Harrison & Sons, 1898.

**Hulme, Frederic Edward.**

929.9 H87

<sup>12430</sup> The flags of the world: their history, blazonry, and associations. From the banner of the crusader to the burgee of the yachtsman; flags national, colonial, personal; the ensigns of mighty empires; the symbols of lost causes. v,152 p. 26 pl. D. London: F. Warne & Co., [1897].

## 930 ANCIENT HISTORY

**Maspéro, Gaston.**

932 O700

- <sup>1216</sup> Egyptian archæology. Translated from the French by Amelia B. Edwards. Second edition, revised. . . . xx,373 p. 299 il. O. London: H. Grevel & Co., 1889.

**Petrie, William Matthew Flinders.**

932 P600

- <sup>16554</sup> A history of Egypt. . . . [Vol. I.—] il. D. London: Methuen & Co., 1897—.
- Various editions.
- Vol. I published in 1899.

**Maspéro, Gaston.**

L932 P700

- <sup>14394</sup> The dawn of civilization. Egypt and Chaldæa. Edited by A. H. Sayce. Translated by M. L. McClure. Third edition revised, and brought up to date by the author. xiv,800 p. il. 3 pl. 1 map. Q. New York: D. Appleton & Co., 1897.

**Smith, William, LL. D., Wayte, William, & Marindin, G. E.**

937 P001

- <sup>3396</sup> A dictionary of Greek and Roman antiquities. Third edition, . . . enlarged. 2 vol. il. O. London: J. Murray, 1890–1891.

**Grote, George.**

938 K600

- <sup>13894</sup> A history of Greece; from the earliest period to the close of the generation contemporary with Alexander the Great. A new edition. 10 vol. por. maps. D. London: J. Murray, 1888.

**Tsountas, Chrestos, & Manatt, J. Irving.**

938 P700

- <sup>17789</sup> The Mycenaean age. A study of the monuments and culture of pre-Homeric Greece. With an introduction by Dr. Dörpfeld. xxxi,417 p. 169 il. 18 pl. 4 maps. O. Boston: Houghton, Mifflin & Co., 1897.

## 940–990 HISTORY &amp; GEOGRAPHY OF SPECIAL COUNTRIES

## 940 EUROPE

**Chisholm, George Goudie.**

940 P900

- <sup>20713</sup> Europe. Vol. I. The countries of the mainland (excluding the north-west). (New issue.) xx,736 p. il. 2 pl. 30 maps. D. (Stanford's compendium of geography and travel.) London: E. Stanford, 1899.



**Fyffe, Charles Alan.****940.9 0001**

- <sup>5124</sup> A history of modern Europe. . . . 3 vol. maps. O. New York: H. Holt & Co., 1890-1891, pref. 1883-1886.  
Vol. 1 in second edition, revised, published in 1891, pref. 1883.

**Andrews, Charles McLean.****940.9 P600**

- <sup>14650</sup> The historical development of modern Europe from the Congress of Vienna to the present time. . . . 2 vol. maps, table. O. New York: G. P. Putnam's Sons, 1896-1898.

**Green, John Richard.****942 N700**

- <sup>832</sup> History of the English people. 4 vol. maps. O. New York: Harper & Brothers, 1878-1880.

**Lucas, Charles Prestwood.****942 0800**

- <sup>3290</sup> A historical geography of the British colonies. Vol. 1-. maps, tables. D. Oxford: Clarendon Press, 1888-.

**McCarthy, Justin.****942 P701**

- <sup>8232</sup> A history of our own times. [Vol. 5.] From 1880 to the Diamond Jubilee. viii, 567 p. O. London: Chatto & Windus, 1897.

**Low, Sidney James, & Pulling, F. S., editors.****942 P704**

- <sup>10956</sup> The dictionary of English history. Revised edition. vi, [2], viii, 1128 p. O. London: Cassell & Co., 1897.

**Postoffice.****L942.51 1**

- <sup>6448</sup> The postoffice London directory for 1897, comprising . . . official, street, commercial, trades, law, court, parliamentary, postal, city and clerical, conveyance and banking directories. Vol. 98. xxxv, 3054 p. 1 map. Q. London: Kelly & Co., pref. 1896.

**Menzel, Wolfgang.****943 M200**

- <sup>15849</sup> The history of Germany, from the earliest period to 1842. Translated from the fourth German edition by Mrs. George Horrocks. 3 vol. por. D. [Bohn's standard library.] London: G. Bell & Sons, 1890-1898.  
Vol. 1 published in 1892.

**Sybel, Heinrich von.****943 0900**

- <sup>13958</sup> The founding of the German Empire by William I. Based chiefly upon Prussian state documents. Translated by Marshall Livingston Perrin assisted by Gamaliel Bradford, Jr. 7 vol. por. O. New York: T. Y. Crowell & Co., c. 1890-1898.  
Vol. 6-7 do not have the words: Based chiefly upon Prussian state documents, and are translated by Helene Schimmelfennig White.

**Scherl, August, *publisher*.**

**L943.109 P700**

<sup>8056</sup> Adressbuch für Berlin und seine Vororte. 1897. Unter Benutzung amtlicher Quellen. Mit der Beigabe: Plan von Berlin und Umgebung. 2 vol. and supplement. sq.F. Map, separately bound. sq.Q. Berlin, pref. 1896.

**Tuttle, Herbert.**

**943.171 O300**

<sup>5138</sup> History of Prussia . . . . 4 vol. por. maps. O. Boston: Houghton, Mifflin & Co., 1888-1896.

Vol. 4 contains a biographical sketch of the author, by Herbert B. Adams, and a bibliography of his writings.

Vol. 1 published in 1892, c. 1883; vol. 2, in 1896, c. 1888.

**Kitchin, George William.**

**944 N304**

<sup>2921</sup> A history of France. Third edition, revised. 3 vol. maps, tables. D. (Clarendon Press series.) Oxford: Clarendon Press, 1892-1896.

**Joanne, Paul, *editor*.**

**L944 P004**

<sup>8313</sup> Dictionnaire géographique et administratif de la France et de ses colonies. . . . Vol. 1-. il. pl. maps. F. Paris: Hachette & C<sup>ie</sup>, 1890-.

**Latimer, Elizabeth, [*born*] Wormeley.**

**944 P201**

<sup>12676</sup> France in the nineteenth century, 1830-1890. Sixth edition. 450 p. 22 por. O. Chicago: A. C. McClurg & Co., 1898, c. 1892.

**Annuaire.**

**L944.65 1**

<sup>6638</sup> Annuaire-almanach du commerce, de l'industrie, de la magistrature et de l'administration, ou Almanach des 1,500,000 adresses de Paris, des départements, des colonies et des pays étrangers, Didot-Bottin. Première partie. Paris. Département de la Seine (cantons et communes). Edition du centenaire. . . . Various paging, 3140 p. maps. Q. Paris [1897].

**Latimer, Elizabeth, [*born*] Wormeley.**

**945 P600**

<sup>12674</sup> Italy in the nineteenth century and the making of Austria-Hungary and Germany. Second edition. 436 p. 24 por. O. Chicago: A. C. McClurg & Co., 1897.

**Latimer, Elizabeth, [*born*] Wormeley.**

**946 P700**

<sup>12673</sup> Spain in the nineteenth century. Third edition. 441 p. 23 por. O. Chicago: A. C. McClurg & Co., 1898.

**Rimbaud, Alfred [Nicolas].****947 N900**

- <sup>2737</sup> History of Russia, from the earliest times to 1882. . . . Translated by L. B. Lang. Edited and enlarged by Nathan Haskell Dole. Including, A history of the Turko-Russian war of 1877-78, . . . , by the editor. 3 vol. por. O. Boston: Estes & Lauriat, c. 1879-1882.

**Morfill, William Richard.****947 0001**

- <sup>3329</sup> Russia. vi,226 p. il. 5 pl. 2 maps. D. [Foreign countries and British colonies.] London: Sampson Low, . . . , & Rivington, 1880.

**Latimer, Elizabeth, [born] Wormeley.****947 P300**

- <sup>12647</sup> Russia and Turkey in the nineteenth century. Fourth edition. 413 p. 23 por. O. Chicago: A. C. McClurg & Co., 1897.

**Woods, Francis Henry.****948 0200**

- <sup>3336</sup> Sweden and Norway. x,[2],266 p. il. 7 pl. 1 por. 2 maps. D. [Foreign countries and British colonies.] London: Sampson Low, . . . , & Rivington, 1882.

**Otté, Elise C.****948.9 0100**

- <sup>3324</sup> Denmark and Iceland. vii,[1],267,[1] p. il. 12 pl. 2 maps. D. [Foreign countries and British Colonies.] London: Sampson Low, . . . , & Rivington, 1881.

**Jebb, Richard Claverhouse.****949.5 0002**

- <sup>17139</sup> Modern Greece. Two lectures delivered before the Philosophical Institution of Edinburgh, with papers on 'The progress of Greece' and 'Byron in Greece.' vi,183 p. D. London: Macmillan & Co., 1880.

**Laveleye, Emile de.****949.6 0700**

- <sup>2036</sup> The Balkan peninsula. Translated by Mrs. Thorpe. Edited and revised for the English public by the author, with an introductory chapter upon the most recent events . . . . xxvi,384 p. 1 map. O. New York: G. P. Putnam's Sons, 1887.

**950 ASIA****Keane, Augustus Henry.****950 P600**

- <sup>4333</sup> Asia. . . . (New issue.) 2 vol. il. pl. maps. D. (Stanford's compendium of geography and travel.) London: E. Stanford, 1896.

**Colquhoun, Archibald Ross.****951 P800**

<sup>17990</sup> China in transformation. ix,[1],396,[2] p. il. 1 pl. 1 map, 3 maps in pocket. O. New York: Harper & Brothers, 1899.

"List of books consulted", p. 386-388.

**James, Henry Evan Murchison.****951.54 O700**

<sup>3567</sup> The Long White Mountain; or, A journey in Manchuria, with some account of the history, people, administration and religion of that country. xxi,[3],502 p. il. 10 pl. 1 map. O. London: Longmans, Green & Co., 1888.

**Griffis, William Elliot.****952 P001**

<sup>7878</sup> The Mikado's empire. Book I. History of Japan, from 660 B. C. to 1872 A. D. Book II. Personal experiences, observations, and studies in Japan, 1870-1874. Sixth edition, with supplementary chapters: Japan in 1883, 1886, and 1890. 661 p. il. 1 pl. 1 map. O. New York: Harper & Brothers, c. 1890.

**Hunter, Sir William Wilson.****954 P200**

<sup>3424</sup> The Indian Empire. Its peoples, history, and products. New and revised edition (the third). 852 p. 1 map. O. London: Smith, Elder, & Co., pref. 1892.

**Knight, Edward Frederick.****954 P300**

<sup>3283</sup> Where three empires meet: a narrative of recent travel in Kashmir, western Tibet, Gilgit, and the adjoining countries. xvi,495 p. 27 il. 27 pl. 1 map. O. London: Longmans, Green, & Co., 1893.

**960 AFRICA****Keane, Augustus Henry.****960 P400**

<sup>4332</sup> Africa. . . . (New issue.) 2 vol. il. pl. maps. D. (Stanford's compendium of geography and travel.) London: E. Stanford, 1895.

**Schweinfurth, Georg.****966 N100**

<sup>2045</sup> The heart of Africa. Three years' travels and adventures in the unexplored regions of Central Africa, from 1868 to 1871. Translated by Ellen E. Frewer. With an introduction by Winwood Reade. 2 vol. il. pl. maps. O. New York: Harper & Brothers, 1874.

**Stanley, Henry Morton.**

**967 P001**

- <sup>3350</sup> In darkest Africa, or The quest, rescue, and retreat of Emin, Governor of Equatoria. 2 vol. il. pl. por. maps, maps in pockets. O. New York: C. Scribner's Sons, 1890.

**Bryce, James.**

**968 P800**

- <sup>12057</sup> Impressions of South Africa. xxiv,[2],499 p. 3 maps. O. New York: Century Co., 1898.

## 970-970.9 NORTH AMERICA: GENERAL WORKS

**Winsor, Justin, *editor*.**

**L970 O900**

- <sup>382</sup> Narrative and critical history of America. 8 vol. il. pl. por. maps. Q. Boston: Houghton, Mifflin, & Co., 1884-1889.

Vol. 1 printed in 1889. Vol. 2 copyrighted in 1886.

Contents: Vol. 1. Aboriginal America. Vol. 2. Spanish explorations and settlements in America from the fifteenth to the seventeenth century. Vol. 3. English explorations and settlements in North America, 1497-1689. Vol. 4. French explorations and settlements in North America and those of the Portuguese, Dutch, and Swedes, 1500-1700. Vol. 5. The English and French in North America, 1689-1763. Vol. 6-7. The United States of North America. Part 1-2. Vol. 8. The later history of British, Spanish, and Portuguese America.

**Parkman, Francis.**

**970 P701**

- <sup>8186</sup> Works. Champlain edition. 20 vol. pl. por. facsim. maps. O. Boston: Little, Brown, & Co., 1897-1898.

Fiske, J. Introductory essay, [biographical sketch of Parkman], vol. 1, p. xi-lxxxvi.

**Maclean, John.**

**970.1 P601**

- <sup>9603</sup> Canadian savage folk. The native tribes of Canada. 641 p. il. 1 por. O. Toronto: W. Briggs, 1896.

**Jackson, Helen** [*born Fiske, formerly Hunt*].

**970.5 O500**

- <sup>10238</sup> A century of dishonor. A sketch of the United States Government's dealings with some of the Indian tribes. New edition enlarged by the addition of the report of the needs of the Mission Indians of California. x,514 p. D. Boston: Roberts Brothers, 1895, c. 1885.



## 971 CANADA

**Osgood & Co., James R., *publisher.*****971 N500**

- <sup>12679</sup> The maritime provinces: a handbook for travellers. A guide to the chief cities, coasts, and islands of the maritime provinces of Canada, and to their scenery and historic attractions; with the Gulf and River of St. Lawrence to Quebec and Montreal; also, Newfoundland and the Labrador coast. Second edition, revised and enlarged. ix,[1],336 p. 1 pl. of maps, 7 maps. S. Boston 1880, c. 1875.

**Lovell & Son, John, *publishers.*****971 P500**

- <sup>2944</sup> Lovell's gazetteer of British North America: . . . . 671 p. O. Montreal 1895.

**Dawson, Samuel Edward.****971 P700**

- <sup>9315</sup> North America. Vol. 1. Canada & Newfoundland. xxiv,719 p. il. 1 pl. 12 maps. D. (Stanford's compendium of geography and travel. New issue.) London: E. Stanford, 1897.

## 972 MEXICO. CENTRAL AMERICA. WEST INDIES

**Romero, Matias.****L972 P800**

- <sup>12548</sup> Coffee and india-rubber culture in Mexico. Preceded by Geographical and statistical notes on Mexico. xxvi,[2],417 p. 1 pl. 1 map, 1 table. Q. New York: G. P. Putnam's Sons, 1898.

Geographical and statistical notes on Mexico, p. 1-280.

**Romero, Matias.****L972 P801**

- <sup>15689</sup> Mexico and the United States. A study of subjects affecting their political, commercial, and social relations, made with a view to their promotion. Vol. 1-. pl. facsim. maps. Q. New York: G. P. Putnam's Sons, 1898-.

Contents: Geographical and statistical notes on Mexico. The valley of Mexico's drainage. Historical notes on Mexico. The Anglo-Saxon and Roman systems of criminal jurisprudence. The Mexican free zone. Labor and wages in Mexico. The silver standard in Mexico. The Pan-American Conference of 1889. Supplement to the free zone paper. List of President's messages sent to Congress during the period of French intervention, from 1861 to 1867. Prepared by Mr. Clifford Warren.

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## INDEX.

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- "A. L. A." index, 10.  
 "A. L. A." library, 17.  
 Abbott, E. A., 82, 95.  
 Abbott, T. K., 35.  
 Abel, M. H., 178.  
 Aber, M. R. A., 87.  
 Abercromby, R., 131.  
 Abney, W. de W., 203.  
 Acton, E. A., 145.  
 Acworth, W. M., 89.  
 Adams, B. B., Jr., 182.  
 Adams, C. F., Jr., 182 (2).  
 Adams, C. K., 17, 21.  
 Adams, L. S., 179.  
 Adams, Sir F. O., 73.  
 Adams, H. B., 222.  
 Adams, H. C., 68 (2), 90.  
 Adams, J. S., 172.  
 Adams, W. D., 23 (2).  
 Addams, J., 43, 59.  
 Adeline, J., 194.  
 Adler, F., 88.  
 Adressbuch für Berlin, 222.  
 Afloat on the Ohio, 229.  
 Agassiz, A., 136.  
 Agassiz, L., 149.  
 Aikman, C. M., 177.  
 Aitchison, G., 201.  
 Alden, P., 44.  
 Alexander, E. P., 182.  
 Alger, A. M., 75.  
 Allen, A. H., 123.  
 Allen, C. D., 26.  
 Allen, G., 134, 136, 144, 145, 146.  
 Allen, J. A., 158.  
 Allen, J. H., 101.  
 Allen, O. D., 124.  
 Alleyne, S. F., 37 (2).  
 Allgemeine deutsche Biographie, 218.  
 Allibone, S. A., 9 (2).  
 American and English encyclopædia of law, 71 (2).  
 American annual of photography, 204.  
 American college and public school directory, 84.  
 American cyclopædia, 20.  
 American dictionary of printing and book-making, 180.  
 American encyclopedia of commerce, 160.  
 American Library Association, 10 (2), 11 (3), 17 (2).  
 American Manual Training Association, 14.  
 American mechanical dictionary, 160.  
 American mining code, 172.  
 American newspaper annual, 11.  
 American Ornithologists' Union, 158.  
 American Public Health Association, 178.  
 American Public Health Exhibition, 165.  
 American railway, 182.  
 American supplement to the Encyclopædia Britannica, 20.  
 Ames, A. F., 104.  
 Ames, J. G., 13.  
 Ames, J. S., 112.  
 Amherst, M. T., 197.  
 Amos, S., 71.  
 Anderson, R. B., 40.  
 Andree, R., 213.  
 Andree, A., 213.  
 André and his balloon, 234.  
 Andrews, C. M., 221.  
 Andrews, E. B., 36.  
 Andrews, J., 205.  
 Angell, A. C., 74.  
 Angot, A., 110.  
 Annals of our time, 210 (2).  
 Annandale, C., 23, 94.  
 Annuaire-almanach... de Paris, 222.  
 Annuaire international des transports, 211.  
 Annual cyclopædia, 20.  
 Annual literary index, 10.  
 Anson, Sir W. R. Bart., 72.  
 Anthony, Susan B., 52.  
 Anvers, N. d', 137.  
 Apgar, A. C., 147, 159.  
 Appleton & Co., D., 214.  
 Appleton's annual cyclopædia, 20.  
 Appleton's cyclopædia of American biography, 218.  
 Appleton's cyclopædia of applied mechanics, 161.  
 Appleton's cyclopædia of technical drawing, 201.  
 Apthorp, W. F., 205.  
 Archibald, E. D., 131.  
 Ariadne Florentina, 203.  
 Aristoteles, 37.  
 Arkansas state gazetteer, 229.  
 Arlidge, J. T., 164.  
 Armstrong, W., 196 (2), 199, 203.



- Arnold, Mrs. W., 69.  
 Art and life, 195.  
 Arthur, J. C., 145.  
 Arts and crafts essays, 201.  
 Arts and Crafts Exhibition Society, London, 195, 201.  
 Ashbee, C. R., 195.  
 Ashley, W. J., 58.  
 Ashton, J., 90.  
 Association of Engineering Societies, 16.  
 Atkinson, E., 68, 112, 178.  
 Atterbury, A. P., 67.  
 Atwater, W. O., 178.  
 Audubon, M. R., 151.  
 Austen, P. T., 125.  
 Austen, W. C. R., 186.  
 Australasian encyclopædia, 233.  
 Authors and publishers, 180.  
 Aveling, E. B., 54, 144.  
 Avery, E. M., 112.  
 Ayer & Son, N. W., 11.  
 Ayres, A., 96.  
 Bache, F., 166.  
 Bacon, F., 37.  
 Baedeker, K., 227.  
 Baernreither, J. M., 66.  
 Bagehot, W., 41, 63.  
 Bailey, F. H., 106.  
 Bailey, L. H., 144, 175, 176 (3), 177 (2).  
 Bailward, W. A., 44.  
 Bain, A., 37.  
 Baird, S. F., 157.  
 Baker, C. W., 70.  
 Baker, I. O., 192.  
 Baker, M. N., 174.  
 Baldwin, E. L., 153.  
 Baldwin, J. M., 31, 32, 153.  
 Baldwin, James, 24.  
 Baldwin, Joseph, 85.  
 Baldwin, W. J., 193.  
 Balfour, F. M., 152.  
 Balfour, I. B., 145.  
 Ball, Sir R. S., 108 (3), 109, 110, 111.  
 Ball, W. W. R., 103, 104.  
 Bancroft, G., 74.  
 Barber, E. A., 199.  
 Barber, T. W., 168, 169.  
 Bardeen, C. W., 83, 85, 89.  
 Baretti, G., 100.  
 Barker, G. F., 112.  
 Barnett, P. A., 82.  
 Barnett, S. A., 44.  
 Barns, W. E., 60.  
 Barr, W. M., 171.  
 Barringer, D. M., 172.  
 Bartholomew, J. G., 214 (2).  
 Bartlett, J., 207.  
 Bartlett, J. R., 96.  
 Barus, C., 113.  
 Bary, A. de, 146.  
 Barsable, C. F., 67, 89.  
 Bateman, G. C., 151.  
 Bates, H. W., 232.  
 Bather, F. A., 150.  
 Bayne, W., 94.  
 Baynes, R. E., 116.  
 Bazin, R., 48.  
 "Beagle," Ship, 135.  
 Beazley, C. R., 212.  
 Becker, B. H., 26.  
 Beckmann, J., 162.  
 Beddard, F. E., 154.  
 Bedson, P. P., 121.  
 Behaghel, O., 98.  
 Behrens, W. J., 143.  
 Beilstein, F. F., 126.  
 Bell, Sir J. Bart. 76.  
 Bell, L., 172.  
 Bell, N. R. E. M., see Anvers, N. d'.  
 Bell, T. F., 189.  
 Belt, T., 136.  
 Belton, J. D., 207.  
 Bemis, A. A., 77.  
 Bemis, E. W., 77.  
 Bemrose, W., 199.  
 Benedikt, R., 123.  
 Benjamin, P., 161 (2).  
 Benn, A. W., 37.  
 Bennett, A. W., 147.  
 Bennett, E. H., 73.  
 Berdoe, E., 163.  
 Berg, L. de C., 192.  
 Berghaus, H., 128, 130.  
 Berkeley, M. J., 142, 148.  
 Berlin, Adressbuch, 222.  
 Bernard, H. M., 150, 152.  
 Bernard, M., 152.  
 Bernthsen, A., 126.  
 Berry, A., 108.  
 Berthelot, A., 24.  
 Berthelot, M., 122.  
 Bertillon, J., 49.  
 Best books, 9.  
 Bevan, E. J., 189.  
 Biart, L., 48.  
 Bible, 39.  
 Bibliographia sociologica, 12.  
 Bibliographia zoologica, 7, 16.  
 Bibliographie der deutschen Zeitschriften-Litteratur, 11.  
 Bibliography of American botany, 8.  
 Bibliophile, see Deschamps, P.  
 Bibliotheca entomologica, 16.  
 Bibliotheca zoologica, 16 (2).  
 Bibliothèque photographique, 7.  
 Bicycle repairing, 191.  
 Biedermann, R., 17.  
 Bien & Co., J., 215.  
 Bigelow, J., Jr., 78.  
 Bigmore, E. C., 180.  
 Billings, J. S., 175.  
 Binet, A., 155.  
 Biographie nationale (Bruxelles), 218.  
 Biographie nationale des contemporains. (Paris), 218.  
 Biographie universelle, 216.  
 Birrell, A., 61.  
 Bishop, I. L. B., 233.  
 Black, H. C., 74.  
 Blackburn, H., 181.  
 Björkman, C. G., 98.  
 Blackie's modern cyclopedia, 23.  
 Blaine, R. S., 170.  
 Blake, J. F., 109.  
 Blanchard, R., 229.  
 Bliss, W. D. P., 42.  
 Block, M., 42.  
 Blomfield, R., 195.

- Bluntschli, J. K., 50.  
 Blyth, A. W., 124, 164.  
 Boase, F., 218.  
 Böcher, F., 100.  
 Böckmann, F., 122.  
 Bodley, J. E. C., 51.  
 Bodmer, G. R., 170.  
 Boettger, O., 150.  
 Bogart, J., 182.  
 Böhm-Bawerk, E. von, 54.  
 Bolland, S., 187.  
 Bolton, H. C., 15.  
 Boltwood, B. B., 125.  
 Bonar, J., 57.  
 Bonham, J. M., 89.  
 Bonney, T. G., 128, 129, 131.  
 Booth, C., 61, 70 (2).  
 Booth, W., 70.  
 Borchers, W., 119.  
 Borgeaud, C., 72.  
 Borghet, R. van der, 62.  
 Börnstein, R., 113.  
 Bosanquet, B., 32, 33 (2), 34, 43 (2).  
 Bosanquet, H. D. See Dendy, H.  
 Boston Public Library, 15, 18, 130.  
 Boston Cooking-School cook book, 179.  
 Boston directory, 228.  
 Botta, V., 27.  
 Bouchot, H., 180.  
 Bouillet, M. N., 209.  
 Bourgeois, —, 7.  
 Bourne, H. R. F., 25.  
 Boutmy, E., 72.  
 Bowen, F., 48.  
 Bowen, H. W., 72.  
 Bower, F. O., 146.  
 Bowker, R. R., 10, 12.  
 Brabrook, E. W., 65.  
 Brachet, A., 99 (2).  
 Brackett, A. C., 81.  
 Bradford, G., Jr., 221.  
 Bradley, A. C., 36.  
 Bradley, F. H., 28.  
 Bradley, H., 96.  
 Brainerd, I. H., 73.  
 Brandeis, L. D., 55.  
 Brannt, W. T., 119, 185 (2), 187, 188.  
 Brehm, A. E., 150.  
 Brentano, L., 69.  
 Brewer, E. C., 23 (4).  
 Brewer, T. M., 157.  
 Brewster, Sir D., 103.  
 Brewster, W., 158.  
 Briggs, A., 65.  
 Briggs, H. C., 65.  
 Briggs, W., 105.  
 Brinton, D. G., 38, 91, 139.  
 British Museum, Department of Printed Books, 18.  
 British North America. Gazetteer, 226.  
 Britton, N. L., 147.  
 Brockhaus' Konversations-Lexikon, 24.  
 Brooke, S. A., 207.  
 Brooker, A., 118.  
 Brookings, W. D., 44.  
 Brooklyn Ethical Association, 140.  
 Brooks, W. K., 149.  
 Brothers, A., 203.  
 Brown, A., 147.  
 Brown, E., 53.  
 Brown, G. P., 173.  
 Brown, H. W., 29, 30.  
 Brown, J. D., 205.  
 Browning, O., 81.  
 Brunetière, F., 208.  
 Brush, G. J., 127.  
 Brussels. Académie royale des sciences, des lettres et des beaux-arts, 218.  
 Bryan, G. H., 105.  
 Bryan, M., 203.  
 Bryant, J. C., 180.  
 Bryce, J., 48, 225.  
 Bucknall, B., 198.  
 Budge, E. A. W., 91.  
 Buck, G., 82.  
 Buckle, G. E., 82.  
 Buckley, A. B., 135.  
 Bucquet, —, 7.  
 Buisson, F., 82.  
 Bullock, C. J., 56.  
 Bunbury, E. H., 213.  
 Bunge, G. von, 126.  
 Burch, G. J., 116.  
 Bureau of the American republics, 161, 232.  
 Burgess, J. W., 51.  
 Burke, H. F., 219.  
 Burke, Sir J. B., 219.  
 Burr, S. V. D., 190.  
 Burrell, A., 82.  
 Burrows, M., 53.  
 Burt, B. C., 27.  
 Burton, W. K., 174, 204.  
 Bushée, F. A., 48.  
 Busk, M., 143.  
 Butler, H. J., 138.  
 Butler, N. M., 88.  
 Butterfield, W. J. A., 185.  
 Butterfill, H. H., 105.  
 Byerly, W. E., 103, 106, 107 (2).  
 Byrne, O., 167.  
 Cabinet maker, 190.  
 Cable, G. W., 49 (2).  
 Caird, J., 25.  
 Cajori, F., 113.  
 Caldwell, G. C., 123.  
 Callwell, C. E., 79.  
 Campbell, D. H., 148.  
 Campbell, H. J., 142, 149.  
 Campbell, H. S., 60 (3), 178.  
 Campbell, M., 142, 149.  
 Campbell, W. W., 109.  
 Canadian men and women, 219.  
 Candolle, A. de, 146.  
 Cannell, A. E. M., 88.  
 Card, F. W., 176.  
 Card index of genera, ... of plants, 7.  
 Carmichael, C. H. E., 73.  
 Carpenter, G. R., 96.  
 Carpenter, J., 110.  
 Carpenter, R. C., 168, 193.  
 Carpenter, W. B., 29.  
 Carpenter, W. L., 186.  
 Carr, A. B., 59.  
 Carr, G. S., 103.  
 Carter, O., 201.  
 Carus, J. V., 16 (2).  
 Cassino, S. E., 134.

- Castle, E., 26.  
 Catalogue of the public documents ... of the United States, 13.  
 Catalogue of the United States public documents, 14.  
 Cates, W. L. R., 216.  
 Celebrities of the century, 217.  
 Century atlas of the world, 215.  
 Century cook book, 178.  
 Century cyclopedia of names, 21.  
 Century dictionary, 21.  
 Century of dishonor, 225.  
 Chailley-Bert, J., 56.  
 "Challenger," Ship, 135 (2).  
 Chamberlain, M., 158.  
 Chambers, G. F., 107, 110.  
 Chambers' encyclopædia, 23.  
 Chambers's biographical dictionary, 216.  
 Champlin, J. D., Jr., 203, 205.  
 Champlin, V., 201.  
 Chance, H., 185.  
 Chance, W., 80.  
 Chandler, W. H., 22.  
 Chandler's encyclopedia, 22.  
 Chanute, O., 114.  
 Chapin, F. H., 231.  
 Chapman, E. T., 124.  
 Chapman, F. M., 158.  
 Check list of public documents, 13.  
 Chemisch - technische Untersuchungsmethoden, 122.  
 Chemistry of common life, 182.  
 Cheshire, F. R., 177.  
 Chester, A. H., 127.  
 Chicago. Board of Trustees of the Sanitary District, 173.  
 Chicago. Civil Service Commission, 77.  
 Chicago. Directory, 230.  
 Chicago. Public Library, 18.  
 Chicago blue book, 230.  
 Chicago Post Office. Bureau of Publication, 78.  
 Chipiez, C., 196 (6).  
 Chisholm, G. G., 89, 212, 214, 220.  
 Christie, A. M., 29.  
 Christy, R., 91.  
 Church, A. H., 182.  
 Churchward, W. B., 233.  
 Cincinnati. Directory, 230.  
 City wilderness, 48.  
 Civil service question book, 75.  
 Clark, D. K., 169, 172.  
 Clark, J. A., 7.  
 Clark, J. B., 56, 67.  
 Clark, L., 90.  
 Clark, T. M., 192.  
 Clarke, J. T., 196.  
 Clarke, T. C., 182.  
 Classen, A., 125 (2).  
 Claus, C., 149.  
 Clerke, A. M., 108 (2), 110.  
 Cleveland. Directory, 229.  
 Cleveland. Public Library, 10.  
 Clifford, W. K., 102.  
 Clinton, G. W., 180.  
 Clodd, E., 39, 136, 140.  
 Cochrane, R., 162.  
 Cockcroft, J., 71.  
 Cohn, G., 57, 67.  
 Cohn, L. See Lassar-Cohn.  
 Coit, S., 80.  
 Colange, L. de, 160.  
 Cole, A. S., 202.  
 Cole, W. I., 48.  
 Colquhoun, A. R., 224, 227.  
 Comelati, G., 100.  
 Comey, A. M., 122.  
 Commercial directory of the American republics, 232.  
 Commercial nomenclature, 161.  
 Commercial year book, 49.  
 Compayré, G., 31, 83.  
 Compendium of transportation theories, 182.  
 Comprehensive index of the publications of the government, 13.  
 Compton, A. G., 190.  
 Comstock, A. B., 155.  
 Comstock, J. H., 155, 156.  
 Conant, C. A., 63.  
 Conant, T. J., 20.  
 Concilium bibliographicum, Zurich, 7, 16.  
 Concise knowledge astronomy, 108.  
 Concise knowledge natural history, 150.  
 Concordance to the Old and New Testament, 39.  
 Conference for Good City Government, 76.  
 Congrès international de bibliographie des sciences mathématiques, 7 (2).  
 Conklin, E. G., 141.  
 Conkling, A. R., 77.  
 Conn, H. W., 149.  
 Conrad, J., 42.  
 Conway, Sir W. M., 196.  
 Conybeare, M. E. M., 208.  
 Cook, C. C., 179.  
 Cook, E. T., 196.  
 Cook, W. W., 69.  
 Cooke, M. C., 148.  
 Cooley, A. J., 161.  
 Cooley, T. M., 74, 182.  
 Co-operative Wholesale Societies, 65.  
 Copp, H. N., 172.  
 Corbett, M., 44.  
 Cornish, C. J., 152.  
 Corroyer, E., 199.  
 Cossa, L., 57.  
 Costelloe, B. F. C., 37.  
 Coues, E., 151, 157, 158 (2).  
 Coulter, J. M., 145.  
 Cousin, V., 38.  
 Cox, Sir G. W., Bart., 23.  
 Cox, H., 65.  
 Crabb, G., 95.  
 Cram, G. F., 215.  
 Crandall, F. A., 13.  
 Crane, W., 181, 194, 195.  
 Crane, W. J. E., 191.  
 Creatures of other days, 133.  
 Creighton, J. E., 30.  
 Crocker, F. B., 118.  
 Crocker Co., H. S., 231.  
 Crole, D., 175.  
 Croll, J., 129, 131.  
 Crookes, W., 123, 183.  
 Crosby, O. T., 172.  
 Cross, C. F., 189.

- Crown of wild olive, 43.  
 Crozier, J. B., 41.  
 Cruden, A., 39.  
 Cumulative index, 10.  
 Cunningham, C. D., 73.  
 Cunningham, J. T., 140.  
 Cunningham, W., 46, 58 (2).  
 Curtin, J., 40.  
 Curtis, R. H., 75.  
 Cushing, M., 78.  
 Cyclopædia of American biography, 218.  
 Cyclopædia of American literature, 207.  
 Cyclopædia of education, 82.  
 Cyclopædia of political science, 42.  
 Cyclopædia of temperance, 36.  
 Cyclopædia of music and musicians, 205.  
 Cyclopædia of painters and painting, 203.  
 Dabney, W. D., 89.  
 Daily news almanac, 21.  
 Dall, W. H., 137.  
 Dallinger, F. W., 52.  
 Dalton, W. H., 15.  
 Dammer, O., 183.  
 Dana, C. A., 20, 25.  
 Dana, E. S., 126 (2), 127 (2).  
 Dana, J. C., 18 (2).  
 Dana, J. D., 126, 127, 128, 130.  
 Daniell, A., 112.  
 Daniels, W. M., 68.  
 D'Arcy, C. F., 36.  
 Darwin, C., 131, 135, 141 (2), 142, 146 (3), 153 (2), 155.  
 Darwin, F., 145, 146.  
 Darwin, G. H., 111.  
 Darwin, L., 64.  
 Davenport, C. B., 152.  
 Davenport, H. J., 56.  
 Davenport, J., 100.  
 Davey, R., 227.  
 Davidson, A. B., 39.  
 Davidson, T., 84 (2).  
 Davidson, W. L., 95.  
 Davies, C., 103.  
 Davies, D. C., 132.  
 Davies, E. H., 132.  
 Davies, P. J., 193.  
 Davis, C. T., 189.  
 Davis, J. D., 39.  
 Davis, J. E., 179.  
 Davis, L. J., 202.  
 Davis, W. M., 130, 131.  
 Dawson, S. E., 226.  
 Dawson, W. H., 59.  
 Day, L. F., 194, 200 (3), 201, 202.  
 Deakin, R., 105.  
 Dean, B., 157.  
 De Garmo, C., 85.  
 Dendy, H., 43.  
 Denslow, V. B., 55.  
 Dental register, 166.  
 Denver, Col. Public Library, 18.  
 Deploige, S., 51.  
 Derechef, R., 208.  
 Deschamps, P., 211.  
 Deschanel, A. P. See Privat-Deschanel, A.  
 Descriptive index of current engineering literature, 16.  
 Des Essars, P., 62.  
 Deshumbert, M., 99.  
 Detmer, W., 145.  
 Detroit. Directory, 231.  
 Devic, M., 98.  
 De Vinne, T. L., 181.  
 Devlin, T. C., 77.  
 Dewey, J., 103.  
 Dewey, M., 19.  
 Dexter, S., 65.  
 Dicey, E. M., 72.  
 Dickinson, G. L., 53.  
 Dictionnaire de géographie, 211.  
 Dictionnaire de pédagogie, 82.  
 Dictionnaire géographique et administratif de la France, 222.  
 Dictionnaire international des écrivains du jour, 216.  
 Dictionnaire universel des contemporains, 217.  
 Dictionnaire, universel des littératures, 217.  
 Dictionnaire universel d'histoire, 209.  
 Dictionary of Americanisms, 96.  
 Dictionary of applied chemistry, 184.  
 Dictionary of biographical reference, 217.  
 Dictionary of dates, 24.  
 Dictionary of English authors, 218.  
 Dictionary of general biography, 216.  
 Dictionary of miracles, 23.  
 Dictionary of music, 205.  
 Dictionary of music and musicians, 205.  
 Dictionary of national biography, 218.  
 Dictionary of painters and engravers, 203.  
 Dictionary of phrase and fable, 23.  
 Dictionary of the Bible, 39 (3).  
 Didot Frères, F., 216.  
 Dietrich, F., 11.  
 Dilke, Sir C. W., Bart., 52.  
 Dillmont, Thérèse de, 202.  
 Directorio nacional de Honduras, 227.  
 Disinfection and disinfectants, 165.  
 Dixon, F. H., 90.  
 Dobbin, L., 121.  
 Dodsworth, W. A., 49.  
 Dole, N. H., 223.  
 Don, G., 144.  
 Donaldson, H. H., 163.  
 Donkin, B., 170.  
 Donnelley, R. H., 230.  
 Doty, A. H., 165.  
 Doyle, J. A., 228.  
 Drage, G., 61, 70.  
 Drainage channel and waterway, 173.  
 Dreyfus, F. C., 24.  
 Driver, S. R., 39.  
 Droysen, G., 213.  
 Drucker, A., 45.  
 Drude, O., 147.  
 Du Cane, Sir E. F., 80.  
 Ducoudray, G., 45, 46.  
 Duff, E. G., 181, 191.  
 Dukes, C., 82.  
 Dunbar, C. F., 63.  
 Durand, E. D., 77.  
 Durand, J., 47 (2).  
 Duyckinck, E. A., 207.  
 Duyckinck, G. L., 207.  
 Dye, F., 193.  
 Dyer, H., 69, 102.

- Dyer, L., 57.  
 Dyer, T. F. T., 90.  
 Eagle's nest, 105.  
 Eastlake, C. L., 202.  
 Eaton, D. B., 76 (2).  
 Eaton, I., 59.  
 Eberhard, J. A., 97.  
 Eckoff, W. J., 85.  
 Ede, G., 188.  
 Eden, C. H., 227.  
 Edgren, A. H., 100.  
 Edis, R. W., 202.  
 Edwards, A. B., 220.  
 Edwards, E., 160.  
 Edwards, J., 59.  
 Egerton, H. E., 52.  
 Egleston, T., 127.  
 Eiloart, A., 122.  
 Eimer, G. H. T., 140.  
 Ekelöf, J. A., 212.  
 Elger, T. G., 110.  
 Eliot, C. W., 83.  
 Elliot, D. G., 158.  
 Elliott, H. W., 231.  
 Elliott, J. R., 69.  
 Elliott, S. M., 178.  
 Ellis, A. J., 115.  
 Ellis, H., 28, 80.  
 Elster, L., 42.  
 Ely, R. T., 44, 55 (2), 56, 59 (2), 60, 66, 68.  
 Ely, T., 216.  
 Encyclopädisches Handbuch der technischen Chemie, 183.  
 Encyclopædia Britannica, 22, 24.  
 Encyclopædia Britannica, American supplement, 20.  
 Encyclopædia Britannica, New American supplement, 22.  
 Encyclopedia of needlework, 202.  
 Encyclopedia of social reform, 42.  
 Endlich, F. M., 124.  
 Engelmann, W., 16.  
 Engels, F., 54.  
 Engineering index, 16.  
 English dialect dictionary, 96.  
 Era formulary, 166.  
 Euclid. See Eukleides.  
 Eukleides, 105.  
 Evans, E. P., 36.  
 Evans, H. R., 206.  
 Evans, T. J., 105.  
 Everett, C. C., 38.  
 Everett, J. D., 112 (2), 114.  
 Ewart, M. F., 143.  
 Extinct monsters, 133.  
 Fact, fancy and fable, 21.  
 Fahie, J. J., 118.  
 Fairbanks, A., 42.  
 Falkner, R. P., 49.  
 Familiar allusions, 20.  
 Familiar quotations, 207.  
 Famous composers, 206 (2).  
 Farman, D., 173.  
 Farmer, F. M., 179.  
 Farrer, J. A., 38, 74.  
 Farrow, E. S., 78.  
 Farthest north, 234.  
 Fawcett, H., 69.  
 Feast of Autolycus, 179.  
 Fehling, H. von, 120.  
 Felkin, E., 81.  
 Felkin, H. M., 81.  
 Fennell, C. A. M., 93.  
 Fernald, J. C., 95.  
 Fernand-Michel, F. F., 90.  
 Ferri, E., 80.  
 Field, H. H., 7, 16.  
 Field, H. M., 118.  
 Fiennes, G., 44.  
 Rijnje van Salverda, J. G. W., 114.  
 Finley, J. H., 68.  
 Firth, R. H., 165.  
 Fischer, F., 183 (2).  
 Fischer-Hinnen, J., 119.  
 Fisher, A. B. B. See Buckley, A. B.  
 Fisher, I., 105.  
 Fisher, W. R., 177.  
 Fiske, J., 72, 74, 218, 225.  
 Fiske, T. S., 103.  
 Fitch, Sir J. G., 81, 83.  
 Flags of the world, 219.  
 Flammarion, C., 109, 110.  
 Flashlights on nature, 134.  
 Fleck, H., 123.  
 Fleischmann, W., 177.  
 Fleming, G., 177.  
 Fletcher, A. E., 82.  
 Fletcher, B., 108.  
 Fletcher, B. F., 198.  
 Fletcher, W. I., 10 (3), 11 (3), 18.  
 Flint, R., 66.  
 Flower, Sir W. H., 159.  
 Flügel, F., 97 (2).  
 Flügel, J. G., 97.  
 Follett, M. P., 53.  
 Forbes, H. O., 136.  
 Ford, W. C., 73.  
 Foreman, J., 232.  
 Foreman pattern maker, 169.  
 Forney, M. N., 182.  
 Forsyth, A. R., 107.  
 Fortescue, G. K., 18.  
 Fortnum, C. D. E., 200 (2).  
 Foster, C. L. N., 172.  
 Foster, F. P., 163.  
 Foster, M., 152, 163.  
 Fourtier, H., 7.  
 Fowler, A., 108, 109.  
 Fowler, T., 37, 38.  
 Fraenkel, A., 123.  
 Francis, W., 162.  
 Franklin, W. S., 112.  
 Fraser, A. C., 28.  
 Freer, P. C., 125.  
 Freeman, E. A., 209, 213.  
 French, G. H., 156.  
 Fresenius, C. R., 124 (2).  
 Frewer, E. E., 224.  
 Frey, A. R., 21.  
 Friedel, C., 120.  
 Froebel, F., 86 (2), 87.  
 Frost, A. J., 15.  
 Frost, E. B., 109.  
 Froude, J. A., 52, 227.  
 Fuertes, L. A., 158.  
 Fugitive facts, 21.  
 Fuller, J., Sr., 188.



- Fulton, J., 184.  
 Funk, I. K., 94.  
 Furman, H. V. F., 186.  
 Furneaux, W. S., 151.  
 Fustel de Coulanges, N. D., 45.  
 Fyffe, H. H., 10.  
 Fyffe, C. A., 221.  
 Gadow, H., 158.  
 Gage, M. J., 52.  
 Galloupe, F. E., 16.  
 Galton, Sir D., 173.  
 Galton, F., 31, 141.  
 Gannett, H., 77, 228.  
 Ganot, A., 112.  
 Gardner, J. S., 189.  
 Garland, D. S., 71.  
 Garner, J. L., 48.  
 Garner, R. L., 159.  
 Garnett, R., 19.  
 Garnett, W., 113.  
 Garnsey, H. E. F., 144.  
 Garrett, J., 176.  
 Garstang, W., 150.  
 Gayer, K., 177.  
 Geddes, P., 43, 143.  
 Gee, G. E., 188.  
 Geikie, Sir A., 128 (2), 129 (2).  
 Geikie, J., 130, 131.  
 Geological record, 15.  
 George, C., 9.  
 George, H., 64, 67.  
 Gerland, G. K. N., 138.  
 Germany. Kais. Patentamt, 17.  
 Gibbins, H. de B., 89.  
 Gibbs, W. E., 185.  
 Gibson, W. H., 135 (2), 148.  
 Giddings, F. H., 41, 42, 43.  
 Gillespie, W. M., 111.  
 Gillies, J., 37.  
 Gilman, D. C., 48, 89.  
 Gilman, N. P., 65.  
 Gladden, W., 43.  
 Glaeser, E., 218.  
 Glasgow, D., 190.  
 Glazebrook, M. G., 82.  
 Godkin, E. L., 51.  
 Goebel, K., 145.  
 Göhre, P., 59.  
 Golden, M. J., 190.  
 Gonino, J., 196, 200.  
 Gonner, E. C. K., 82.  
 Goodeve, T. M., 113.  
 Goodnow, F. J., 76, 77.  
 Goodwin, W. W., 101.  
 Gopsill's Sons, J., 229.  
 Gordon, A. C., 68.  
 Gore, J. E., 108.  
 Gore, J. H., 111.  
 Gorst, Sir J., 44.  
 Goschen, G. J., 64.  
 Goss, W. F. M., 190.  
 Gould Directory Co., 231.  
 Graham, R. H., 105.  
 Graham, T., 120.  
 Graham, W., 54.  
 Grande encyclopédie, 24.  
 Grandgent, C. H., 100.  
 Gräsel, A., 18.  
 Graves, R. E., 203.  
 Gray, Andrew, 117.  
 Gray, Asa, 143 (2), 144, 147.  
 Grav, T., 113.  
 Greely, A. W., 212, 233.  
 Green, A. H., 132.  
 Green, J. R., 221.  
 Green, T. H., 36.  
 Greene, W. H., 120.  
 Greenhill, A. G., 106.  
 Greenough, J. B., 101.  
 Greenwood, J. M., 85.  
 Greenwood, T., 19.  
 Gregory, D. S., 94.  
 Gregory, R., 88.  
 Gresley, W. S., 172.  
 Griffiths, W. E., 224.  
 Griffith, J. W., 142, 162.  
 Griffiths, A. B., 151.  
 Griffiths, T. M., 166.  
 Grimm, J., 40.  
 Gröber, G., 92.  
 Gronlund, L., 67.  
 Groome, F. H., 216.  
 Groos, K., 153.  
 Gross, C., 13.  
 Grosse, E., 138.  
 Grote, G., 37, 220.  
 Grove, Sir G., 205, 213.  
 Groves, C. E., 183.  
 Gubernatis, A. de, 216.  
 Guhl, E., 46.  
 Guillemand, F. H. H., 232.  
 Gulliver, J. H., 34.  
 Guimps, R. de, 84.  
 Gummere, F. B., 45.  
 Guppy, H. B., 233.  
 Gurney, E., 32.  
 Haacke, W., 150.  
 Haddon, A. C., 137, 138.  
 Hadley, A. T., 56, 182 (2).  
 Haeckel, E., 139, 140, 152.  
 Haferkorn, H. E., 16.  
 Hagen, H. A., 16.  
 Hailmann, W. N., 86.  
 Haïté, G. C., 201.  
 Haldane, R., 160.  
 Hall, G. S., 14.  
 Hall, T. D., 100.  
 Hall, W. E., 72.  
 Halle, E. von, 70.  
 Halliburton, W. D., 151.  
 Halliwell-Phillips, J. O., 95.  
 Halsted, G. B., 103.  
 Hamilton, H., 99 (2).  
 Hamilton, W., 26.  
 Hammarsten, O., 126.  
 Hanausek, T. F., 184.  
 Handbuch der Hygiene, 164.  
 Handbuch der Ingenieurwissenschaften, 167.  
 Handwörterbuch der Staatswissenschaften, 42.  
 Handy lists of technical literature, 16.  
 Handy-book of literary curiosities, 24.  
 Hann, J., 131.  
 Hansen, E. C., 184.  
 Hanus, P. H., 104.  
 Harcourt, L. F. V., 167.  
 Hardy, W. J., 26.

- Hare, J. I. C., 73.  
 Harper's book of facts, 22.  
 Harris, H. G., 185.  
 Harris, W. A., 183.  
 Harris, W. T., 31, 38.  
 Harrison, E., 86.  
 Hart, A. B., 44, 53.  
 Hartland, E. S., 91.  
 Hasluck, P. N., 190.  
 Hasse, A. R., 13.  
 Hastings, J., 39.  
 Haswell, W. A., 150.  
 Hatfield, O. P., 191.  
 Hatfield, R. G., 191.  
 Hathaway, A. S., 106.  
 Haydn, J., 24.  
 Haynes, F. E., 48.  
 Hazell's annual, 23.  
 Hazen, C. D., 72.  
 Headley, F. W., 158.  
 Heape, W., 152.  
 Hearn, L., 227.  
 Heathcote, F. G., 149.  
 Hegel, G. W. F., 33.  
 Heider, K., 152.  
 Heilprin, L., 209.  
 Heise, P., 16.  
 Hell, C., 120.  
 Helmholtz, H. von, 115.  
 Henfrey, A., 142, 143.  
 Henry, W. A., 177.  
 Henshaw, H. W., 158.  
 Herbart, J. F., 81, 85.  
 Hermann, G., 168.  
 Herrick, W. H., 125.  
 Hertwig, O., 142.  
 Hess, R., 177.  
 Hewes, F. W., 182.  
 Heyne, M., 97.  
 Hickcox, J. H., 13.  
 Higginson, T. W., 91.  
 Hill, C. T., 165.  
 Hill, J. A., 57.  
 Hill, J. W., 174.  
 Hill, R. T., 227.  
 Hill, T., 104.  
 Hill, W. K., 82.  
 Hillhouse, W., 146.  
 Hinsdale, B. A., 84, 88, 209, 229.  
 Hiscox, G. D., 169, 171.  
 Historic note-book, 23.  
 Historical reference book, 209.  
 History for ready reference, 209.  
 History of banking, 62.  
 Hobson, E. W., 105.  
 Hobson, J. A., 59, 61, 69.  
 Hodson, J. S., 203.  
 Hoefer, F., 216.  
 Hoefer, H., 185.  
 Hoff, J. H., van't., 122.  
 Hoffmann, F., 124.  
 Hofmann, E., 156.  
 Holahan, C. M., 179.  
 Holbrook, A. S., 59.  
 Holder, C. F., 152.  
 Holgate, T. F., 106.  
 Holiday, H., 202.  
 Holland, W. J., 156.  
 Holman, H., 82.  
 Holst, H. von, 73.  
 Honduras. Directorio, 227.  
 Hood, C., 193.  
 Hooker, Sir J. D., 144.  
 Hopkins, A. A., 161, 206.  
 Horn, A. E., 62.  
 Horne, H. P., 191.  
 Horner, J. G., 169, 187.  
 Horr, N. T., 77.  
 Horrocks, Mrs. G., 221.  
 Hough, F. B., 176.  
 Houghton, W. R., 53.  
 Household dictionary of medicine, 163.  
 Houston, E. J., 117, 172.  
 Howarth, W., 63.  
 Howe, E. G., 87.  
 Howe, H. A., 108, 110.  
 Howell, G., 62.  
 Howorth, Sir H. H., 128.  
 Hudson, F., 25.  
 Hueffer, F., 46.  
 Hughes, J. L., 86.  
 Hughes, T., 65.  
 Hughes, T., S. J., 84.  
 Hull, W. I., 79.  
 Hull-House, Chicago, 59.  
 Hulme, F. E., 91, 217.  
 Hummel, J. J., 185.  
 Humphrey, J. E., 143.  
 Humphreys, H. N., 199.  
 Hunt, H. F. See Jackson, H. F.  
 Hunter, Sir W. W., 224.  
 Huntington, J. O. S., 43.  
 Hurd, H. B., 75.  
 Huss, G. M., 199.  
 Hutchinson, H. N., 173 (2), 137.  
 Hutchinson's Australasian encyclopædia, 233.  
 Huxley, T. H., 155.  
 Hyde, E. W., 103.  
 Hyde, W. D., 27.  
 Iconographic encyclopædia, 20.  
 Ihering, R. von. See Jherinz, R. von.  
 Iles, G., 12, 17.  
 Illinois General Assembly, 75 (2).  
 Illinois state gazetteer, 230.  
 Illustrated dictionary of gardening, 176.  
 Illustrated encyclopædic medical dictionary, 163.  
 Im Thurm, E. F., 139.  
 Image, S., 201.  
 Imperial dictionary, 94.  
 Index to engineering periodicals, 16.  
 Index to the periodicals, 11.  
 Index to the subjects of the documents and reports, 14.  
 Indiana state gazetteer, 230.  
 Indianapolis Monetary Convention, 1867, 63.  
 Industrial School Association, Boston, 192.  
 Ingram, A. F. W., 44.  
 Ingram, J. K., 57.  
 Iowa state gazetteer, 231.  
 Irish peasant, 60.  
 Irving, J., 210.  
 Italy. Camera dei deputati. Biblioteca, 10.  
 Jackman, W. S., 87.  
 Jackson, C., 44.  
 Jackson, H. F., 225.

- Jackson, M., 25.  
 Jacobson, P., 126.  
 Jacoby, H. S., 172.  
 Jago, W., 178.  
 James, E. J., 57.  
 James, H. E. M., 224.  
 James, T. L., 182.  
 James, W., 30.  
 Jameson, J. A., 74.  
 Jameson, J. F., 228.  
 Jamieson, A., 169, 170.  
 Jay, O., 44.  
 Jeans, J. S., 173.  
 Jebb, R. C., 223.  
 Jensen, A., 62.  
 Jernigan, T. R., 62.  
 Jevons, W. S., 33 (2), 62.  
 Jewett, H. M., 28.  
 Jewett, M. A., 28.  
 Jhering, R. von, 45.  
 Joanne, P., 222.  
 Johnson, H. K., 21.  
 Johnson, J. B., 16, 111.  
 Johnson, S. W., 124.  
 Johnson, W. W., 103, 107.  
 Johnson's universal cyclopædia, 21.  
 Johnston, A. K., 215.  
 Johnston, J. F. W., 182.  
 Johnston, T. B., 215.  
 Johnston, W., 162.  
 Jones, E. R., 162.  
 Jones, T. R., 142.  
 Jordan, D. S., 141, 156.  
 Jordell, D., 11.  
 Jørgensen, A., 148.  
 Jowett, B., 50, 57.  
 Judd, C. H., 30.  
 Kamensky, G., 120.  
 Kant, I., 35.  
 Kay, D., 32.  
 Kedney, J. S., 38.  
 Keane, A. H., 129, 138, 210, 211 (3), 223, 224, 232.  
 Kelland, P., 106.  
 Keller, H. F., 120.  
 Kelley, F., 59.  
 Kellner, L., 96.  
 Kellogg, D. O., 22.  
 Kelly, J. F., 208.  
 Kelvin, W. T., 1st Baron, 102, 111.  
 Kemp, W., 192.  
 Kennelly, A. E., 172.  
 Kentucky state gazetteer, 229.  
 Kerl, B., 17, 183.  
 Kerr, N., 28.  
 Kerner von Marilaun, A., 143.  
 Keynes, J. N., 57.  
 Kidd, B., 41.  
 Kidder, F. E., 192.  
 Kiddle, H., 82.  
 Kiepert, H., 214.  
 Kiesow, F., 32.  
 Kilbon, G. B., 193.  
 Kimball, A. L., 114.  
 King, F. H., 175.  
 Kirby, W. F., 150.  
 Kirk, J. F., 9.  
 Kirkland, J., 230.  
 Kirkpatrick, R., 150.  
 Kirkup, T., 67.  
 Kitchin, G. W., 99, 222.  
 Kittredge, G. L., 101.  
 Klausner, K., 206.  
 Klemm, L. R., 84, 88.  
 Kluge, F., 97.  
 Knapp, J. M., 44.  
 Knapp, W. I., 100.  
 Knight, E. F., 224.  
 Knight, E. H., 160 (2).  
 Knight, G. H., 162.  
 Knight, J., 164.  
 Kohlrausch, F., 113.  
 Koner, W., 46.  
 König, J., 179.  
 Koopman, H. L., 19.  
 Koren, J., 36.  
 Korschelt, E., 152.  
 Krehbiel, H. E., 17.  
 Külpe, O., 27, 30.  
 Labberton, R. H., 213.  
 Labour annual, 59.  
 Lachambre, H., 234.  
 Ladd, G. T., 27, 29 (2), 30, 32 (2).  
 Lafaye, B., 99.  
 Laing, S., 102.  
 La Fontaine, H., 12.  
 Lagrange, F., 164.  
 Lakeside annual directory, 230.  
 Lalor, J. J., 42, 73.  
 Lamb, H., 107.  
 Lambert, P. A., 106.  
 Lane, G. M., 101.  
 Landauer, J., 116.  
 Landolt, H., 113.  
 Lang, Andrew, 38.  
 Lang, Arnold, 152.  
 Lang, L. B., 223.  
 Langbein, G., 119.  
 Lange, H., 88.  
 Langhaus, P., 215.  
 Langille, J. H., 157.  
 Langley, S. P., 109.  
 Langmead, T. P. T., 73.  
 Lankester, E. R., 140.  
 Lanza, G., 167.  
 Larned, J. N., 209.  
 Larousse, P., 24.  
 Larsen, A., 98.  
 Lassar-Cohn, Dr., 183.  
 Lathrop, J. C., 59.  
 Latimer, E. W., 222 (3), 223.  
 Laude, J., 18.  
 Laughlin, J. L., 64.  
 Laurie, S. S., 81, 84.  
 Laveleye, E. de, 54, 223.  
 Lawson, T. A., 120.  
 Lea, A. S., 163.  
 Leaning, J., 192.  
 Leask, H., 186.  
 Lecky, W. E. H., 35, 51.  
 Le Conte, J., 115, 128.  
 Lee, A. B., 143.  
 Lee, F. S., 151.  
 Lee, S., 218.  
 Leete, C. H., 214.  
 Lefébure, E., 202.  
 Leffmann, H., 123.  
 Legge, H., 44.

- Legros, E., 99.  
 Leland, C. G., 91, 189 (2), 200.  
 Lennholm, E. A., 148.  
 Leonard, J. W., 218.  
 Leroy-Beaulieu, P., 50.  
 Letchworth, W. P., 80.  
 Lethaby, W. R., 188, 195.  
 Letourneau, C., 134.  
 Levey, G. C., 233.  
 Levi, L., 71.  
 Lewis, C. T., 22, 100.  
 Lewis, Sir G. C., 52.  
 Lewis, G. H., 90.  
 Lewis, J. S., 187.  
 Lewkowitsch, J., 123.  
 Lexis, W., 42.  
 Library Association of the United Kingdom, 10.  
 Library atlas of modern geography, 214.  
 Liddell, H. G., 101.  
 Life and labour of the people in London, 61.  
 Liliencron, R. von, 218.  
 Linder, N., 25.  
 Lindgren, E., 98.  
 Lippert, P., 42.  
 Lippincott Co., J. B., 212, 217.  
 Little cyclopædia of common things, 23.  
 Littré, E., 98.  
 Lloyd, H. D., 66, 70.  
 Löb, W., 125 (2).  
 Loch, C. S., 43.  
 Lock, C. G. W., 160, 161.  
 Locke, J., 28, 83.  
 Lockyer, Sir J. N., 109 (2), 110.  
 Lodge, H. C., 228.  
 Lodge, O. J., 108, 117 (2).  
 Loening, E., 42.  
 Logerman, W. S., 92.  
 London Charity Organization Society, 80.  
 London, Directory, 221.  
 London, International health exhibition, 1884, 165.  
 London atlas of universal geography, 215.  
 Loney, S. L., 106.  
 Longmans, Green & Co., 212, 214.  
 Lotze, H., 29, 32, 33.  
 London, J. C., 144.  
 London, J. W., 144.  
 Lough, E., 32.  
 Louis, H., 132, 186.  
 Lounsbury, T. R., 93.  
 Love, E. G., 173.  
 Lovell & Son, J., 226.  
 Low, S. J., 221.  
 Lowell, A. L., 51.  
 Lowell, P., 110.  
 Lubbock, Sir J., Bart., 45, 136, 153, 155, 156.  
 Lucas, C. P., 221.  
 Lueger, O., 161.  
 Lukin, J., 190.  
 Lunge, G., 184, 186.  
 Lydekker, R., 150 (2), 154, 158, 159.  
 Lynn, W. T., 103, 108.  
 Lyon, O., 97.  
 Lyttelton, E., 82.  
 McAlpine, A. N., 134.  
 McAlpine, D., 134.  
 MacArthur, A., 85.  
 McCain, C. C., 182.  
 McCallum, M., 43.  
 McCarthy, J., 221.  
 McClure, M. L., 220.  
 McConachie, L. G., 53.  
 MacCord, L. W., 202.  
 McCormack, T. J., 113, 155.  
 McCosh, J., 32.  
 MacCoun, T., 214.  
 McCook, H. C., 155.  
 MacCunn, J., 36.  
 Macdonald, W., 43.  
 MacDougal, D. T., 145.  
 Mace, Mrs., —, 44.  
 Mace, W. H., 209.  
 McFarland, F. M., 141.  
 Macfarlane, A., 103.  
 Macfarlane, C. W., 54.  
 Macfarlane, J., 19.  
 McGehee, L. P., 71.  
 M'Gowan, G., 121, 126.  
 Mack, E., 32, 113.  
 Machuron, A., 234.  
 Mackail, J. W., 219.  
 M'Kechnie, W. S., 50.  
 MacKellar, T., 180.  
 M'Kendrick, J. G., 151.  
 Mackenzie, J. S., 34, 41.  
 Mackintosh, M., 67.  
 Maclean, J., 225.  
 McLellan, J. A., 103, 104.  
 MacLeod, H. D., 62.  
 McMahan, J., 103.  
 McMaster, J. B., 227.  
 McMillan, C., 111.  
 McMillan, D. C., 52.  
 McMillan, W. G., 119.  
 McMurrich, J. P., 154.  
 McMurry, C. A., 85.  
 McMurry, F. M., 85.  
 McNaught, W. G., 82.  
 Macy, J., 72, 73.  
 Madan, F., 26.  
 Madison, J., 73.  
 Mahaffy, J. P., 38, 46 (3).  
 Mahan, A. T., 79.  
 Maine, Sir H. S., 44 (2), 45, 51.  
 Maitland, J. A. F., 205.  
 Major, H., 87.  
 Mallock, W. H., 66.  
 Manacein, M., 164.  
 Manatt, J. I., 220.  
 Mandel, J. A., 126.  
 Mansfield, J. M., 14.  
 Mantegazza, P., 29.  
 Manual of statistics, 64.  
 Map of Philippine islands, 215.  
 March, F. A., 94.  
 Manhaut, W., 48.  
 Marey, E. J., 151.  
 Marindin, S. E., 220.  
 Marion & Co., London, 204.  
 Maritime provinces, 226.  
 Mark, E. L., 152.  
 Markham, C. R., 212.  
 Marmery, J. V., 102.  
 Marot, H., 12.  
 Marsh, G. P., 93.

- Marshall, A., 55, 60, 132.  
 Marshall, W., 150, 154.  
 Martin, A. T., 82.  
 Martin, E. A., 132.  
 Martin, H. N., 163.  
 Martineau, J., 36.  
 Martinengo-Cesaresco, E., 91.  
 Marx, K., 54.  
 Mason, A. B., 73.  
 Mason, O. T., 162.  
 Mason, W. P., 174.  
 Maspéro, G., 45, 220 (2).  
 Massachusetts Institute of Technology, 78, 85.  
 Massart, J., 43.  
 Masse, G., 145 (2).  
 Masters, M. T., 143.  
 Mastro-Valerio, A., 59.  
 Mathews, C. T., 198.  
 Mathews, F. S., 153.  
 Mätzner, E., 96.  
 Mauer, W., Jr., 118.  
 Maxwell, J. C., 113, 116.  
 May, Sir T. E., 46.  
 May, W. J., 197.  
 Mayeux, H., 200.  
 Mechanics' own book, 191.  
 Medical and surgical register of the United States and Canada, 163.  
 Meijer, B., 25.  
 Meitzen, A., 49.  
 Meldola, R., 141, 186, 205.  
 Men and women of the time, 216.  
 Mendelyev, D., 120.  
 Mendenhall, T. C., 117.  
 Menke, T., 213.  
 Menzel, W., 221.  
 Mercier, C., 28.  
 Merrill, G. P., 132.  
 Merrill, J. H., 71.  
 Merriman, M., 103, 172.  
 Meyer, E. von, 121.  
 Meyer, F. S., 200.  
 Meyer, L. von, 121.  
 Meyer, V., 126.  
 Meyers Hand-Lexikon, 24.  
 Miall, L. C., 82, 132, 155.  
 Michaelis, E., 86.  
 Michaud, J. F., 216.  
 Michaud, L. G., 216.  
 Michie, T. J., 71.  
 Michigan state gazetteer, 230.  
 Migula, W., 149.  
 Military map, island of Puerto Rico, 215.  
 Military map of the island of Cuba, 215.  
 Mill, H. R., 102.  
 Mill, J. S., 33, 37, 43.  
 Millar, A., 201.  
 Miller, W. J., 114, 167, 168, 169.  
 Miller, A. K., 148, 184.  
 Miller, E. F., 170.  
 Miller, F., 194.  
 Miller, S. A., 133.  
 Mills, W., 153.  
 Milne, J., 174.  
 Milner, A., 57.  
 Milwaukee, Directory, 231.  
 Minchin, G. M., 114.  
 Missouri state gazetteer, 231.  
 Mivart, St. G., 151, 157.  
 Modern English biography, 218.  
 Modern mechanism, 161.  
 Moeller, J., 184.  
 Monroe, W. S., 14.  
 Moor, S. A., 145.  
 Moore, H. K., 86.  
 Moore, J. H. N., 144.  
 Moore, S., 54.  
 Morant, A. C., 50.  
 Morfill, W. R., 223.  
 Morgan, C. L., 140, 151, 152.  
 Morgan, H. J., 219.  
 Morgan, J. L. R., 122.  
 Morgan, L. H., 45.  
 Morgan, M. H., 101.  
 Morley, H. F., 121.  
 Morley, J., 35, 45.  
 Morris, G. S., 27.  
 Morris, I. H., 82.  
 Morris, R., 96.  
 Morris, W., 66, 194, 201.  
 Morrison, W. D., 80.  
 Moseley, H. N., 135.  
 Moses, J., 230 (2).  
 Mosse, A., 32.  
 Mühlbrecht, O., 12.  
 Muir, J., 136.  
 Muir, M. M. P., 121 (4), 183.  
 Muirhead, J. H., 36, 37.  
 Mulhall, M. G., 49, 69.  
 Müller, C., 213.  
 Müller, F. M., 92 (2), 208.  
 Munera pulveris, 59.  
 Munich. K. Akademie der Wissenschaften, 218.  
 Municipal affairs, 76.  
 Munro, R., 137.  
 Munroe, C. E., 17.  
 Müntz, E., 202.  
 Mure, W., 208.  
 Muret, E., 97.  
 Murphy, S. F., 164.  
 Murray, G., 147.  
 Murray, J. A. H., 93.  
 Murray, J. C., 34.  
 My studio neighbors, 135.  
 Nadaillac, J. F. A. du P., marquis de, 137.  
 Names and their histories, 212.  
 Nansen, F., 234.  
 Nares, Sir G. S., 182.  
 Narrative and critical history of America, 225.  
 Nash, H. S., 46.  
 Nasmyth, J., 110.  
 National Convention for Revising the Pharmacopœia, 165.  
 National cyclopædia of American biography, 219.  
 Naturalists' directory, 134.  
 Naval annual, 79.  
 Naval encyclopædia, 79.  
 Neale, E. V., 65.  
 Nesbitt, A., 185.  
 Neues Handwörterbuch der Chemie, 120.  
 Neumayer, G., 119.  
 New American supplement to the Encyclopædia Britannica, 22.  
 New English dictionary, 92.



- New Orleans. Directory, 229.  
 New York, N. Y., City Vigilance League, 79.  
 New York, N. Y. Directory, 229.  
 Newcomb, S., 104.  
 Newell, J. H. See Moore, J. H. N.  
 Newhall, C. S., 147 (3).  
 Newman, J., 192.  
 Newsholme, A., 50.  
 Newton, A., 158.  
 Nichols, E. L., 112.  
 Nicholson, G., 176.  
 Nicholson, J. S., 55, 56, 63, 69.  
 Nicolls, W. J., 132.  
 Nitti, F. S., 67.  
 Noll, F., 144.  
 Non-secret formulas, 166.  
 Nordenskiöld, A. E., 212.  
 Nordhoff, C., 67.  
 Nordisk familjebok, 25.  
 Norman, J. H., 64.  
 North, W., 161.  
 Norton, B., 182.  
 Norton, C. E., 35, 43, 54, 195 (2), 198, 200, 203.  
 Notter, J. L., 165.  
 Nouvelle biographie générale, 216.  
 Noyes, A. D., 68.  
 Nuttall, T., 158.  
 Ogilvie, J., 94.  
 Ohio. Directory, 229.  
 Oliver, F. W., 143.  
 Olson, J. E., 98.  
 Olsson, B. F., 25.  
 Oman, C. W. C., 78.  
 Oppenheim, N., 31.  
 Orrinsmith, H., 201.  
 Ortner, J., 179.  
 Osgood & Co., J. R., 226.  
 Osmun, T. E., 96.  
 Ost, L., 9.  
 Osterburg, M., 15.  
 Ostwald, W., 122.  
 Otlet, P., 12.  
 Otté, E. C., 223.  
 Otto, E., 100.  
 Otto, J. F., 120.  
 Paine, J. K., 206.  
 Painter, F. V. N., 83.  
 Palgrave, R. H. I., 56.  
 Pantaleoni, M., 54.  
 Packard, A. S., 150, 155, 156.  
 Paris. Annuaire-almanach, 222.  
 Parker, F. W., 81, 86, 87.  
 Parker, T. J., 134, 150.  
 Parker, W. N., 141, 152.  
 Parkhurst, C. H., 77.  
 Parkman, F., 225.  
 Parloa, M., 178.  
 Parry, C. H. H., 205.  
 Parsons, S., 197.  
 Parsons, T., 75.  
 Pasko, W. W., 180.  
 Paton, J., 76.  
 Patrick, D., 216.  
 Patridge, L. E., 86.  
 Paul, H., 92.  
 Paulsen, F., 88.  
 Pavements and roads, 173.  
 Payne, J., 83.  
 Payne, W. H., 83.  
 Peabody, C. H., 168, 170.  
 Pearce, W. J., 193.  
 Pearson, K., 28.  
 Pechuel-Loesche, E., 150.  
 Peck, W. G., 103.  
 Peirce, S. O., 107.  
 Peloubet, F. N., 39.  
 Peloubet, M. A., 39.  
 Pendleton, J., 25.  
 Penfield, S. L., 127.  
 Pennell, E. R., 179.  
 Pennell, J., 181 (2).  
 People of the period, 217.  
 Peppin, T. S., 44.  
 Perez, B., 29.  
 Perkins, C. C., 203.  
 Perkins, T., 199.  
 Perrin, M. L., 221.  
 Perrot, G., 196 (6).  
 Perry, E. D., 88.  
 Perry, G. R., 227.  
 Perry, J., 107.  
 Peschel, O., 138.  
 Petrie, W. M. F., 220.  
 Phelps, P. H., 94.  
 Philadelphia. Convention for forming the Constitution, 1787, 73.  
 Philadelphia. Directory, 229.  
 Philanthropy and social progress, 43.  
 Phillips, A. W., 105.  
 Phillips, J. A., 132.  
 Phillips, L. B., 217.  
 Pidgin, C. F., 49.  
 Piesse, C. H., 186.  
 Pillsbury, W. B., 27.  
 Pinner, A., 125.  
 Plarr, V. G., 216.  
 Platon, 50.  
 Plumble, G. E., 21.  
 Plummer, M. W., 18.  
 Pocock, R. I., 150.  
 Poesche, H., 86.  
 Polk, R. L. & Co., 163, 166, 229, 230, 231 (4).  
 Pollard, A. T., 82.  
 Pollard, A. W., 26.  
 Pollen, J. H., 202.  
 Pollock, F., 102.  
 Pomeroy, J. N., 71, 73.  
 Poole, F. O., 11.  
 Poole, W. F., 10, 11.  
 Poole's index, 10, 11 (3).  
 Poore, B. P., 13.  
 Poore, G. V., 62.  
 Porritt, E., 47.  
 Porter, H., 182.  
 Porter, H. C., 144.  
 Porter, N., 19, 27, 94.  
 Porter, R. P., 58.  
 Posnett, H. M., 207.  
 Posse, N., 86.  
 Postoffice London directory, 221.  
 Potter, B. See Webb, B. P.  
 Poulton, E. B., 149, 153.  
 Powell, H. J., 185.  
 Power, F. B., 124.  
 Practical blacksmithing, 190.

- Practical carriage building, 190.  
 Practical designing, 201.  
 Pratt, A. T. C., 217.  
 Preece, W. H., 118.  
 Prentiss, H. M., 234.  
 Preston, T., 115, 116.  
 Pretzman, J. R., 70.  
 Preyer, W., 29, 30.  
 Price, L. L. F. R., 58, 60.  
 Prideaux, S. T., 191.  
 Principles of fitting, 169.  
 Pringle, A., 204, 205.  
 Pritchard, E., 151.  
 Privat-Deschanel, A., 112.  
 Proctor, H. R., 113.  
 Prout, H. G., 182.  
 Prussia. K. Ministerium der öffentlichen Arbeiten, 18.  
 Prussia. K. Ministerium für Handel, Gewerbe u. öffentliche Arbeiten, 17 (2).  
 Pullen, W. W. F., 105.  
 Pulling, F. S., 221.  
 Putnam, G. H., 180, 181 (2).  
 Putnam, J. B., 180.  
 Pylodet, L., 100.  
 Quatrefages de Bréau, A. de, 138.  
 Quick, R. H., 83 (2).  
 Rabbeno, U., 68.  
 Rae, J., 61, 66.  
 Raffalovich, A., 62.  
 Rafter, G. W., 174.  
 Rambaud, A. N., 223.  
 Ramsay, W., 125.  
 Rand, B., 12.  
 Rand, McNally & Co., 214.  
 Rankine, W. J. M., 114, 167, 168, 169.  
 Rathbone, R. L. B., 201.  
 Ratzel, F., 138.  
 Ravenstein, E. G., 210 (2).  
 Reade, W., 224.  
 Reader's guide to contemporary literature, 9.  
 Reader's guide in economic, social and political science, 12.  
 Reader's handbook of allusions, 23.  
 Real, A., pseud. See Fernand-Michel, F. F.  
 Reber, F. von., 196.  
 Reclus, E., 129, 210 (2), 211 (4).  
 Reddall, H. F., 21.  
 Reddaway, W. F., 53.  
 Redgrave, G. R., 200.  
 Redgrave, R., 200.  
 Reeve, H., 48.  
 Rein, W., 81, 83.  
 Remington, J. P., 166.  
 Remsen, I., 122, 175.  
 Répertoire bibliographique des sciences mathématiques, 7.  
 Répertoire bibliographique des revues françaises, 11.  
 Repertorium der technischen Journal-Literatur, 17.  
 Repertorium der technischen Literatur, 17.  
 Review of reviews, 11.  
 Revue semestrielle des publications mathématiques, 15.  
 Reye, T., 106.  
 Rhees, W. J., 12 (2).  
 Rhodes, J. F., 228.  
 Ribot, T., 29, 32.  
 Ricardo, H., 195.  
 Richards, E. H. S., 178 (2).  
 Richards, F., 171.  
 Richards, J. W., 186.  
 Richardson, Sir B. W., 165.  
 Richardson, M. T., 190 (2).  
 Richardson, T., 183.  
 Richter, V. von, 125.  
 Rideal, S., 174.  
 Ridgeway, W., 90.  
 Ridgway, R., 157, 158 (2).  
 Riemann, H., 205.  
 Rieth, Dr. —, 17.  
 Riis, J. A., 70.  
 Rijke, J. de, 174.  
 Ringwalt, R. C., 44.  
 Ripley, G., 20.  
 Ripley, W. Z., 15, 139.  
 Risteen, A. D., 119.  
 Ritchie, D. G., 41, 50, 67.  
 Ritter, K., 212.  
 Rix, W. P., 201.  
 Roberts, I. P., 175.  
 Robertson, G. C., 37.  
 Robertson, J. M., 61.  
 Robinson, B. L., 147.  
 Robinson, S. W., 171.  
 Robinson, W., 197 (2).  
 Rodway, J., 136.  
 Rogers, J. E. T., 46, 55, 60.  
 Roget, J. L., 95.  
 Roget, P. M., 95.  
 Röhrig, E., 161.  
 Romance of industry, 162.  
 Romanes, G. J., 30, 140, 141, 153 (2).  
 Romero, M., 226 (2).  
 Romilly, H. H., 233.  
 Ronald, M., 178.  
 Ronalds, Sir F., 15.  
 Rönnfeldt, H., 141.  
 Rood, O. N., 115.  
 Roosevelt, T., 231.  
 Roscoe, Sir H. E., 120, 121.  
 Rose, J., 169, 171.  
 Rose, N. J., 197.  
 Rosén, J., 25.  
 Rosenkranz, J. K. F., 81.  
 Rossiter, W., 102.  
 Rouaix, P., 201.  
 Routh, E. J., 114 (2).  
 Rowbotham, J. F., 91.  
 Roy, C. S., 158.  
 Royal atlas of modern geography, 215.  
 Royce, J., 35.  
 Rücker, J., 132.  
 Rückert, F., 97.  
 Ruskin, J., 35, 43, 54, 195 (2), 198, 200, 203.  
 Russell, H. B., 64.  
 Russell, J., 84.  
 Russell, I. C., 130 (3).  
 Russell, T., 131.  
 Sachs, J. von, 145 (2).  
 Sachs, K., 99.  
 Sadtler, S. P., 166, 183.  
 St. Louis. Directory, 231.

- St. Paul. Directory, 231.  
 Saintsbury, G., 207 (2).  
 Salmon, D., 85.  
 Salmon, L. M., 61.  
 Salomon, O., 85.  
 San Francisco, 231.  
 Sanders, L. C., 217.  
 Sanderson, T. J. C., 195.  
 Sandford, M. E., 82.  
 Sanford, E. C., 32.  
 Santayana, G., 32.  
 Saunders, W., 155.  
 Say, L., 56.  
 Sayce, A. H., 92, 220.  
 Schäfer, E. A., 153, 154.  
 Schejner, J., 109.  
 Scheler, A., 98.  
 Schem, A. J., 82.  
 Schenk, H., 144.  
 Scherer, W., 208.  
 Scherl, A., 222.  
 Schimper, A. F. W., 144.  
 Schlagwort-Katalog, 9.  
 Schlich, W., 177.  
 Schmidt, I., 97.  
 Schmidt, O., 150.  
 Schneider, A., 148.  
 Schoenhof, J., 63.  
 Scholz, F., 28.  
 Schönland, S., 140.  
 Schorlemmer, C., 120, 126.  
 Schouler, J., 74, 228.  
 Schubarth, E. L., 17.  
 Schuyler, E., 53.  
 Schwabe, L., 208.  
 Schwegler, A., 27.  
 Schweinfurth, G., 224.  
 Schnabel, C., 186.  
 Scidmore, E. R., 233.  
 Scientific American cyclopedia of re-  
   ceipts, 161.  
 Scientific London, 26.  
 Scott, A., 121.  
 Scott, C. A., 106.  
 Scott, D. H., 146.  
 Scott, E. H., 73.  
 Scott, H. M., 82.  
 Scott, R., 101.  
 Scudder, V. D., 47.  
 Sedgwick, A., 149, 150, 152.  
 Sedgwick, W. T., 134.  
 Seebohm, F., 39.  
 Seeley, L., 89.  
 Selbie, J. A., 39.  
 Serrailier, L., 173.  
 Serviss, G. P., 109.  
 Seth, J., 36.  
 Shaler, N. S., 48, 128, 129 (2), 139, 173.  
 Seward, G. F., 52.  
 Sharn, A., 191.  
 Sharp, R. F., 218.  
 Sharpe, R. B., 150.  
 Sharpless, I., 84.  
 Shaw, A., 76 (2).  
 Shaw, C. S. W., 162.  
 Shedlock, J. S., 205.  
 Sheib, E. E., 81.  
 Sherborn, C. D., 15.  
 Shipley, A. E., 140.  
 Shorey, P., 73.  
 Short, C., 100.  
 Short, J. T., 139.  
 Shufeldt, R. W., 158.  
 Sidgwick, A., 32, 82.  
 Sidgwick, H., 34, 35 (2), 51.  
 Silver, A., 201.  
 Simcox, E. J., 46.  
 Simmonds, F., 199.  
 Simmons, A. T., 129.  
 Simpson, H. F. M., 137.  
 Singleton, E., 198.  
 Skeat, W. W., 93 (2), 94.  
 Skottowe, B. C., 53.  
 Sladen, D., 217.  
 Slater, J. H., 26, 203.  
 Slingo, W., 118.  
 Sloane, T. O., 116, 117.  
 Smart, W., 54 (2), 60.  
 Smith, A., 55.  
 Smith, B. E., 21, 215.  
 Smith, C., 106.  
 Smith, D. E., 103.  
 Smith, E. F., 125.  
 Smith, G. B., 162.  
 Smith, H. P., 21.  
 Smith, J., 146.  
 Smith, J. B., 156, 188.  
 Smith, J. P., 141.  
 Smith, L., 99.  
 Smith, N. A., 86, 87 (2).  
 Smith, O., 187.  
 Smith, R. H., 107.  
 Smith, R. M., 49, 52.  
 Smith, R. S., 111.  
 Smith, Sir W., 39, 100, 213, 217, 220.  
 Smith, W. R., 123.  
 Smithells, A., 126.  
 Smithsonian Institution, 12 (2).  
 Snodgrass, W., 151.  
 Snyder, W. H., 130.  
 Soards, L., 229.  
 Sobriquets and nicknames, 21.  
 Social England, 47.  
 Société mathématique d'Amsterdam, 15.  
 Society of Telegraph Engineers, 15.  
 Solly, S. E., 166.  
 Sombart, W., 67.  
 Somervell, R., 82.  
 Sonnenschein, W. S., 9 (2), 82.  
 Sonnenschein's cyclopædia of education,  
   82.  
 Soule, R., 95.  
 South End House, Boston, 48.  
 South Kensington Museum, 185, 189, 200  
   (3), 202.  
 Southward, J., 180.  
 Soyeda, J., 62.  
 Spahr, C. B., 57.  
 Spalding, F. P., 173.  
 Spanton, J. H., 105.  
 Spears, J. R., 79.  
 Spencer, H., 34, 41, 42, 81, 134.  
 Spiers, A., 99.  
 Spon, E., 160, 167.  
 Spon, E. & F. N., 191.  
 Spons' dictionary of engineering, 167.  
 Spon's encyclopædia of the industrial  
   arts, 161.

- Springsteed, A. F., 179.  
 Spruner von Merz, K., 213 (2).  
 Staley, C., 111.  
 Stallybrass, J. S., 40.  
 Stammhammer, J., 12, 13.  
 Standard dictionary, 94.  
 Stanford, E., 214, 215.  
 Stanford's compendium of geography,  
     220, 223, 224, 226, 228, 232 (2).  
 Stanley, H. M., 225.  
 Stannus, H., 200.  
 Stansbie, J. H., 188.  
 Stanton, E. C., 52.  
 Starr, E. G., 59.  
 Starr, F., 136.  
 Starr, M., 75.  
 Statesman's year book, 22.  
 Statham, H. H., 198, 199.  
 Steam-heating problems, 193.  
 Stebbing, F. C., 111.  
 Stebbing, T. R. R., 155.  
 Steele, F. M., 179.  
 Stephen, L., 34, 35, 102, 218.  
 Sternberg, G. M., 149.  
 Stevens, A. P., 59.  
 Stevens, J. E., 232.  
 Stevenson, T., 164.  
 Stewart, B., 116.  
 Stieler, A., 214.  
 Stillman, T. B., 123.  
 Sterling, J. H., 27.  
 Stockholm. K. Svenska vetenskaps-aka-  
     demien, 78.  
 Stohmann, F., 183.  
 Stokes, A. C., 142.  
 Tokois, A. M. H. J., 210.  
 Stone, T. W., 114.  
 Storer, F. H., 175.  
 Stormonth, J., 94, 134.  
 Storr, F., 82.  
 Stout, G. F., 31.  
 Strachey, R., 212.  
 Strasburger, E., 144, 146.  
 Stratton, S. S., 205.  
 Strauss, A., 53.  
 Stretton, C. E., 170.  
 Strolls by starlight and sunshine, 135.  
 Strong, H. A., 92 (2).  
 Stubbs, A. J., 118.  
 Stubbs, W., 72.  
 Sturgis, R., 17, 198.  
 Sturme, H., 204.  
 Subject index of literature of agricultural  
     experiment stations, 8.  
 Sully, J., 28, 29 (2), 30 (2), 31 (2).  
 Sulz, C. H., 184.  
 Sumner, W. G., 62, 63.  
 Sutherland, A., 233.  
 Sutherland, G., 233.  
 Sverdrup, O., 234.  
 Sveriges statskalender, 78.  
 Sweet, H., 93, 96.  
 Swete, H. B., 39.  
 Sybel, H. von, 221.  
 Sykes, J. F. J., 165.  
 Sykes, W. J., 184.  
 Symonds, J. A., 47.  
 Taggart, W. S., 189.  
 Taine, H. A., 47 (2), 207.  
 Tait, P. G., 106 (2), 111 (2), 112.  
 Talbot, H. P., 124.  
 Talbot, M., 44.  
 Tanger, G., 97.  
 Tarr, R. S., 129, 132.  
 Taschenberg, E. L., 150.  
 Taschenberg, O., 16.  
 Tate, T., 81.  
 Taussig, F. W., 54, 68 (2).  
 Tayler, A. J. W., 171, 173, 191.  
 Taylor, A., 66.  
 Taylor, I., 138, 212.  
 Taylor, J. E., 146.  
 Taylor, R. W. C., 69.  
 Taylor, S., 65.  
 Teale, T. P., 174.  
 Teall, F. H., 93.  
 Technological dictionary of insurance  
     chemistry, 183.  
 Ten Bruggencate, K., 98.  
 Terry, G., 185.  
 Teuffel, W. S., 208.  
 Thayer, J. H., 19.  
 Thesaurus of English words and phrases,  
     95.  
 Thilly, F., 28.  
 Thomas, J., 212, 217.  
 Thomas, T., 206 (2).  
 Thompson, E. E. S., 153.  
 Thompson, S. P., 115, 116, 118.  
 Thoms, H., 184.  
 Thomson, Sir C. W., 135.  
 Thomson, J. A., 43, 150.  
 Thomson, J. J., 117.  
 Thomson, Sir W., see Kelvin, W. T., 1st  
     Baron.  
 Thorne, R., 21.  
 Thornton, A., 113.  
 Thornton, W. T., 58.  
 Thorp, W., 183.  
 Thorpe, B., 40.  
 Thorpe, M., 223.  
 Thorpe, T. E., 125, 132, 184.  
 Threlfall, R., 122.  
 Thümmel, K., 184.  
 Thurston, R. H., 90, 114, 170, 192.  
 Thwaites, R. G., 229.  
 Thwing, C. F., 88.  
 Tilden, W. A., 121.  
 Tingle, J. B., 116.  
 Titchener, E. B., 27, 30 (3), 31, 34.  
 Tocqueville, A. de, 48.  
 Todd, D. P., 108.  
 Todhunter, I., 104 (3), 105, 114.  
 Tolman, W. H., 77, 79.  
 Tomn, L., 51.  
 Topley, W., 15.  
 Torrey, B., 135.  
 Torrey Botanical Club, 8.  
 Townsend, J. P., 62.  
 Toynbee, A., 57.  
 Toynbee, P., 99.  
 Trail, J. W. H., 176.  
 Traill, H. D., 47.  
 Treadwell, A., 119.  
 Trechmann, E., 98.  
 Trevelyan, C. P., 51.  
 Tribune almanac, 20.  
 Trow Directory Co., 229.

- Trowbridge, J., 117.  
 Trumbull, G., 157.  
 Tsountas, C., 220.  
 Tuckerman, A., 15.  
 Tufts, J. H., 27.  
 Turrets, towers, and temples, 198.  
 Tuttle, H., 222.  
 Two paths, 195.  
 Tylor, E. B., 45, 138, 139.  
 Tyndall, J., 115 (2), 116, 130.  
 Ueberweg, F., 27.  
 Ulzer, F., 123.  
 Underhill, E. D., 48.  
 Underwood, L. M., 148.  
 United States government publications, 13.  
 U. S. A. Civil Service Commission, 77, 78.  
 U. S. A. Department of Agriculture, 8 (3).  
 U. S. A. Department of the Interior, Bureau of Education, 14.  
 U. S. A. Department of the Interior, Census Office, 77.  
 U. S. A. Department of the Interior, Geological Survey, 14.  
 U. S. A. Department of the Interior, Superintendent of Documents, 13.  
 U. S. A. Government Printing Office, Superintendent of Documents, 13 (2), 14 (2).  
 U. S. A. Treasury Department, 63.  
 U. S. A. Treasury Department, Bureau of Statistics, 50.  
 U. S. A. Treasury Department, Immigration Investigating Commission, 52.  
 U. S. A. War Department, Adjutant-General's Office, Military Information Division, 215 (2).  
 Universal pronouncing dictionary of biography, 217.  
 Unwin, W. C., 168.  
 Upton, J. K., 68.  
 Urbanitzky, A. von, 117.  
 Urquardt, J. W., 118, 119.  
 Van Cleve, B. F., 160.  
 Van den Heuvel, J., 51.  
 Van Laun, H., 207.  
 Van Liew, C. C., 81.  
 Van Liew, I. J., 81.  
 Van Oss, S. F., 182.  
 Vandervelde, E., 43.  
 Vapereau, G., 217 (2).  
 Veblen, T. B., 55, 67.  
 Vega, S. von, 104.  
 Veith, A., 185.  
 Velazquez de la Cadena, M., 100.  
 Verschoyle, J., 46.  
 Verworn, M., 151.  
 Villatte, C., 99.  
 Vincent, B., 24.  
 Vines, S. H., 145.  
 Vinycomb, J., 26.  
 Viollet-le-Duc, E. E., 198 (2), 199, 201.  
 Visser, J., 79.  
 Voorhees, T., 182.  
 Waarenlexikon der chemischen industrie, 184.  
 Wagner, R. von, 183 (2).  
 Waldo, F., 131.  
 Walford, E., 37.  
 Walker, B. E., 62.  
 Walker, F. A., 55, 62, 64.  
 Walker, J., 121.  
 Walker, T. A., 71.  
 Wall, E. J., 204.  
 Wallace, A. R., 135, 142 (2), 154 (2), 232.  
 Wallace, W., 33 (2).  
 Wallaschek, R., 205.  
 Waller, T. H., 113.  
 Walmsley, R. M., 117.  
 Walpole, S., 52.  
 Walsh, W. S., 24, 90.  
 Walters, F. R., 163.  
 Wanklyn, J. A., 124.  
 Ward, H. M., 146, 176.  
 Ward, J., 201 (2).  
 Waring, G. E., Jr., 114, 174.  
 Warman, P. C., 14.  
 Warn, R. H., 187.  
 Warner, A. G., 79.  
 Warner, F., 86.  
 Warr, G. C. W., 208.  
 Warren, C., 226.  
 Washburn, M. F., 34.  
 Waterworth, J. A., 60.  
 Watson, J., 38.  
 Watt, A., 189.  
 Watts, H. E., 183.  
 Watts, W. A., 204.  
 Watts, W. W., 129.  
 Wayte, W., 220.  
 Webb, B. P., 62 (2), 66.  
 Webb, H. J., 175.  
 Webb, S., 62 (2), 76.  
 Weber, A., 28.  
 Webster, N., 94 (2).  
 Wegele, F. X., 218.  
 Weidinger, G., 184.  
 Weisbach, J., 168.  
 Weismann, A., 140, 141 (2).  
 Weitenkampf, F., 217.  
 Weld, L. G., 103.  
 Welldon, E. A., 82.  
 Wells, D. A., 57.  
 Wells, H. L., 124.  
 Wenström, E., 98.  
 Wentworth, G. A., 104.  
 Werge, J., 204.  
 Werner, A., 122.  
 Westermarck, E., 91.  
 Westrin, T., 25.  
 Weyl, T., 164.  
 Wheatley, H. B., 19.  
 Wheeler, B. L., 92.  
 Wheeler, C. G., 9, 20.  
 Wheeler, W. A., 9, 20.  
 Where three empires meet, 224.  
 Whipple, F. H., 118.  
 Whitaker, J., 22.  
 Whitaker, W., 15.  
 White, A. T., 61.  
 White, G., 201.  
 White, H., 63.  
 White, H. S., 221.  
 White, R. G., 93.  
 Whitney, W. D., 21, 92, 96, 98.



- Who wrote it? 9.  
 Who's who? 217.  
 Who is who in America, 218.  
 Wiedersheim, R., 152.  
 Wiggin, K. D., 86, 87 (2).  
 Wight, O. W., 38.  
 Wigley, T. B., 188.  
 Wilcox, D. F., 76.  
 Wiley, H. W., 123.  
 Willard, E. W., 87.  
 Willey, A., 157.  
 Williams, C. F., 71.  
 Williams, C. M., 32, 36.  
 Williams, H. S., 133.  
 Williams, S. W., 48.  
 Williams, W. C., 121.  
 Williams & Co., 229, 230.  
 Williamson, B., 107.  
 Willoughby, W. F., 60.  
 Willoughby, W. W., 50.  
 Willsey, J. H., 22.  
 Wilson, A., 139.  
 Wilson, E. B., 134, 142.  
 Wilson, E. L., 204.  
 Wilson, H. S., 171.  
 Wilson, J. G., 218, 210.  
 Wilson, L. L. W., 87.  
 Wilson, M. E., 31.  
 Wilson, W., 51.  
 Windelband, W., 27.  
 Windle, B. C. A., 137.  
 Wines, F. H., 36, 80.  
 Wing, H. H., 177.  
 Winning of the West, 231.  
 Winsor, J., 213, 225, 228 (2).  
 Winter, A., 80.  
 Wirth, M., 62.  
 Wisconsin state gazetteer, 231.  
 Wise, M. E., 88.  
 Wislicenus, J., 122.  
 Withers, H. L., 82.  
 Wodehouse, Mrs. E., 205.  
 Wolff, H. W., 61, 65.  
 Wood, D. V., 170.  
 Wood, G. B., 166.  
 Wood, H. C., 166.  
 Woodhead, G. S., 148.  
 Woodrow, F., 60.  
 Woods, F. H., 223.  
 Woods, F. S., 106.  
 Woods, H., 133.  
 Woods, R. A., 43, 47, 48.  
 Woodward, B. B., 150.  
 Woodward, C. M., 88.  
 Woodward, R. S., 103.  
 Wood-working tools, 192.  
 Woodworth, W. M., 152.  
 Woolsey, T. D., 50, 71.  
 Woolsey, T. S., 71 (2).  
 Wooster, D., 144.  
 Worcester, D. C., 232.  
 Worcester, J. E., 95.  
 Workshop receipts, 160.  
 World almanac, 22.  
 Wormell, R., 82, 117.  
 Woorsaac, J. J. A., 137 (2).  
 Worthen, W. E., 201.  
 Worthington, T. L., 62.  
 Wright, A. G., 231.  
 Wright, C. D., 42, 58.  
 Wright, J., 96.  
 Wright, L., 115, 116.  
 Wright, M. O., 158.  
 Wright, R. P., 177.  
 Wright, W. A., 37.  
 Wundt, W., 30 (2), 34.  
 Wurtz, A., 120 (4).  
 Wurtz, C. A., see Wurtz, A.  
 Wyckoff, W. A., 59.  
 Year book of photography, 204.  
 Yeats, J., 162.  
 Youmans, W. J., 103.  
 Young, C. A., 108, 110.  
 Young, F. C., 193.  
 Young, J. J., 199.  
 Youngman, W., 39.  
 Zaehnsdorf, J. W., 191.  
 Zahm, J. A., 115.  
 Zeller, E., 37 (3).  
 Zeman, J. H., 59.  
 Zenker, E. V., 67.  
 Zeublin, C., 59.  
 Zimmermann, A., 143.  
 Zittel, K. von, 128.





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